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The SPRING BOOK *of*

1921



SEEDS - PLANTS - NURSERY STOCK
FARM AND GARDEN SUPPLIES

Randall McLoughlin

SEATTLE, WASHINGTON



LATE BULLETIN

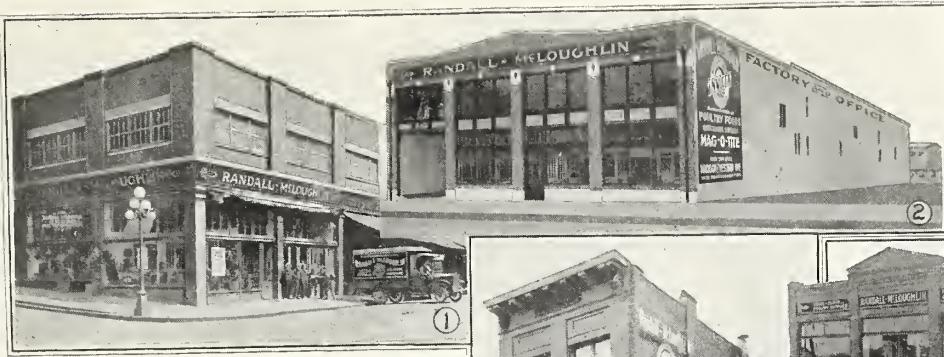
REDUCTION IN PRICES

After this catalog is on the press, we are advised by the S. L. Allen Co., manufacturers of Planet Jr. Garden Implements, that there is a 10% reduction in prices of their goods. When ordering any of the garden implements listed on page 46, please deduct ten per cent from prices shown.

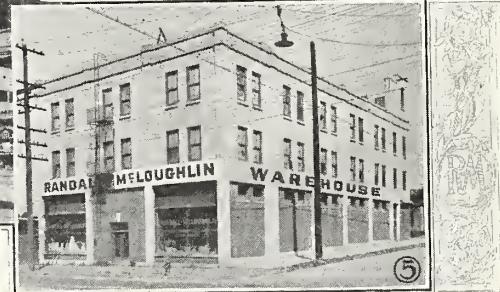
All indications point to a grand rush in our business this spring, and to expedite packing and shipping we have arranged assortments of Vegetable Seeds, Flower Seeds, Sweet Peas, Dahlias, Gladiolus, Rose Bushes, Small Fruits and Fruit Trees, as listed on pages 58, 59, 60 and 61. You will save money by taking advantage of these offers.

Our stock of Rose Bushes, Small Fruits and Fruit Trees is very complete and of exceptionally fine quality. See pages 36 and 37.

You will be able to grow splendid crops of Radishes, Onions, Turnips, Cabbages and Kale this season, without being troubled by Root Maggots. See page 43.



1. Downtown Store, Madison at Western "Where the Madison Cable starts."
2. Uptown Store and Office, Westlake at Harrison.
3. North End Store and Mag-o-tite Factory, Greenwood at 85th.
4. Tacoma Store, 811 Pacific Ave., Tacoma.
5. Warehouse, 302-4-6 Westlake Ave., Seattle.



NINETEEN TWENTY-ONE

IN OLDEN TIMES, when the new season came around it was the custom of the merchant to make a personal visit to his customers of the past season to thank them for their patronage and to assure them that they could depend upon him to serve them well during the coming season.

We, ourselves, would like to be able to do something like this, for it is so much more satisfactory to take a man by the hand, look him in the eye and tell him what we have to say, and to hear what he has to say, either in eulogy or otherwise. Since, however, there are many of our friends whom we cannot meet personally, we must be content with wishing them a prosperous season and soliciting their support through the medium of this The Spring Book for Nineteen Twenty-one. We have endeavored to make it attractive, interesting and helpful, as well as describing in a straightforward manner the good things which we have assembled to serve to our trade during the coming year.

It has been our aim to make Randall-McLoughlin an up-to-date and reliable seed establishment in every sense of the word. To be able to supply seeds of the very highest grade, and new, rare and unusual varieties that the people of the Northwest have felt it necessary to order from other parts of this country or foreign countries. In this connection we wish to call your attention to our splendid list of sweet Peas; undoubtedly one of the finest and most complete collections offered by any seeds-men. You will also note that the Flower Seed section includes practically everything desirable or suitable for this locality, and makes it unnecessary for lovers of flowers to send elsewhere for their requirements.

In the Vegetable Seeds section will be found a generous assortment of varieties carefully chosen as being adapted to this locality. Only the most reliable, tested seeds are handled by us; insuring satisfaction if other conditions are right. Right here we wish to say something about prices. With the experienced gardener, poor seeds are of course absolutely taboo, for he knows that there are few things so disappointing as the results derived from them. We positively decline to handle cheap seeds, and are in no way in competition with those who do so. We leave nothing undone to secure the very highest grade of seeds. This kind of seed costs more, but it is worth it, and experience has proved that it is the kind that our customers want. This seed cannot be put up in packets to sell for five cents; consequently we are charging ten cents, and you get your money's worth.

If you are interested in trees, plants, shrubbery and ornamental nursery stock, we are in splendid shape to take care of you, for we have what we believe to be the finest stock of Rose Bushes, Fruit Trees, Berry Bushes, etc., that we have ever seen. We invite you to inspect this stock. We have secured stocks of the new Cory Thornless Blackberry and LaFrance Giant Everbearing Raspberry, which will interest berry growers and home gardeners. They are described on page 37.

You will find the pages devoted to implements, poultry appliances, etc., brought up to date and very complete. These include the well and favorably known Buckeye Incubators and Brooders, also the Kresky Brooding System, in which all poultry-men will be interested.

This personal talk would not be complete without calling your attention to Mag-o-tite. Our old customers will remember when we introduced Mag-o-tite for the eradication of Root Maggots on cabbages, radishes, turnips, onions, etc., on a small scale in the summer of 1918. How well it does the work is testified in the wonderful volume of business developed since that time. We are now shipping it in carload lots to all parts of the United States and Canada, and its success has been greater than our fondest hopes could have conceived. It has become a staple article, and is considered essential by gardeners.

Our business has made rapid strides since our 1920 issue of The Spring Book, and we are pleased to announce the opening of a store at 811 Pacific Ave., Tacoma, for the convenience of our friends in that city and vicinity. We also have the original store at Madison St. and Western Ave., Seattle, "Where the Madison Cable starts"; the Uptown Store and Factory at Westlake and Harrison; the North End Store and Insecticide Factory at Greenwood and 85th, and storage space in the Warehouse at Westlake and Thomas. We are certain that from these various points we can serve you satisfactorily, for we are well equipped with every convenience.

Do not fail to call upon us at any time that you need advice in regard to your garden or stock, for it is a pleasure for us to render any service that we can to our customers. Should you have any cause for complaint in regard to our service, we very earnestly request that you let us know about it, for we assure you that our policy is to give you

YOUR MONEY'S WORTH OR YOUR MONEY BACK.

Randall-McLoughlin

Downtown Store: Madison St. at Westlake Ave., Seattle. Tel. 5156.
Uptown Store and Office: Westlake at Harrison, Seattle. Tel. 1931.
North End Store: Greenwood and 85th, Seattle. Ballard 4139.
Tacoma Store: 811 Pacific Ave., Tacoma. Main 2742.

MAIL ORDERS

WHILE WE WOULD PREFER to meet you and become personally acquainted with you, that is not always possible, and in that case you will find that transacting business with us through the mails is very satisfactory. We give mail orders the same prompt and careful attention that personal orders are given, are not averse to writing letters when there is any reason for it, and in that way are quite well acquainted with many of our old friends whom we have never met. In case we in any way fail in our effort to give service and satisfaction it is only necessary to call our attention to the matter and a prompt adjustment will be made. Please do not fail to notify us if you are not pleased with our service, for we want your future business, and want you to tell your neighbors what good fellows we are.

Compliance with the following suggestions will assist us in filling mail orders satisfactorily:

Order early. Avoid disappointment to yourself, and assist us greatly, by ordering as early as possible. During the spring rush there is bound to be some confusion and delay; also, the particular varieties which you wish may be sold out.

Use our order sheets. Please use the order sheets which are enclosed with this book. Otherwise the orders must be rewritten by us, causing delay and chance for error. Additional sheets will be furnished on request.

Write name, address and shipping instructions in proper spaces very distinctly. This information is often lacking or illegible, and we are unable to fill the orders until complaint is received.

Correspondence. If it is necessary to write a letter with the order, please write it on a separate sheet of paper. Nothing but the order and shipping instructions should be written on the order sheet. Correspondence is handled through a different channel and is liable to be overlooked if written on the order.

Remittance. Remittance should be made in Post Office Money Order, Express Money Order, Bank Draft or Registered Letter. Checks will be accepted from nearby towns if the customer is known. Postage stamps are convenient for small amounts, but we cannot be responsible for stamps, currency or coins lost in the mails.

Terms. Unless you have previously arranged with our secretary for an account, our terms are strictly cash with order in all cases. If you wish to do considerable business with us, and wish to open an account, we will furnish application blanks to be filled out. No accounts will be carried more than thirty days. Please do not ask us to ship goods C. O. D. It is a very unsatisfactory method for all concerned, and causes much unnecessary labor and expense.



VEGETABLE SEEDS

Seeds That May Be Depended Upon



THERE IS A DIFFERENCE. In nothing does breeding and pedigree count more than in seeds. Some choose their seeds by the pictures on the packets, or with the idea that "Seeds are Seeds," but that is a fallacy. The crops will tell. We cater especially to the trade that is particular and wants the best. Such seeds as can be grown in the Northwest are grown for us on contract, under our direct supervision, from seed stock furnished by us. Other seeds are purchased from the most reliable growers in America and Europe. All seeds are tested in our electric seed tester and none are sent out that do not show a high percentage of germination. Seed is the smallest part of the cost of a garden, and the difference in price between cheap seeds and good seeds is too small to justify taking a chance on the results.

ASPARAGUS

Cultural directions. Sow the seed very early in spring, an inch apart in rows two to three feet apart, covering with about one inch of soil. Thin the plants to about three inches apart. Cultivate thoroughly during the summer.

The following spring, transplant to the permanent bed. The soil should be very rich. Set the plants about one foot apart in the bottom of trenches four feet apart, spreading the roots over little mounds of earth. Cover about three inches over the top of crowns, and gradually fill the trenches as the plants grow. They will not be ready to cut until the fourth year. One to two years may be saved by purchasing the plants. They are listed elsewhere in this catalog.

Conover's Colossal

An excellent variety; light green in color; a quick grower; firm, large and of good flavor. This is the famous Bouldin Island asparagus, noted for its canning qualities.....

Packet, 10c; Oz. 20c; postpaid.

Palmetto

Very early and prolific, producing an abundance of very large, deep green shoots of the best quality.....

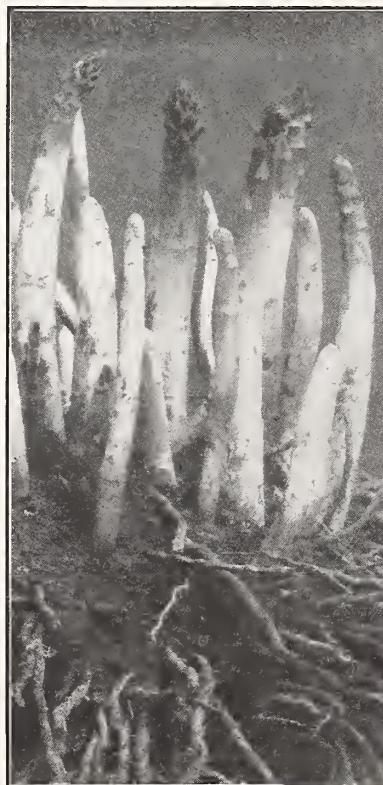
Packet, 10c; Oz., 20c; postpaid.

Columbia Mammoth White

A very large, thick, white variety.....

Packet, 10c; Oz., 20c; postpaid.

Asparagus Plants are listed in Vegetable Plants section of this catalog.



Conover's Colossal Asparagus

ARTICHOKE

Cultural directions. The Artichoke plant resembles a giant thistle, and the edible portion is the immature flower bud. It is a perennial, and will last for several years. Buds are not produced until the second year.

The seed should be sown in a seed bed, about one inch apart, in spring. When the plants are large enough they should be transplanted to the garden, two feet apart in rows three to four feet apart. The soil should be very rich and well drained.

This is entirely different from the Jerusalem Artichoke, the tubers of which are used for culinary purposes and more generally for stock food.

Large French Green Globe

The most popular and generally grown variety of Globe Artichoke. The plant is of medium height, with deep green leaves. The buds or flower-heads are green, nearly round, with rather narrow scales, fleshy at the base. Packet, 10c, postpaid.

Jerusalem Artichoke tubers are listed elsewhere in this catalog.



ELIMINATES ASPARAGUS MINER AND IS A SURE CURE FOR ROOT MAGGOTS.



Davis White Kidney Wax Bean

Lazy Wife Pole Bean

Very popular, and one of the best of the late green podded pole beans. The pods are six inches long, broad, thick, fleshy and stringless. The dry beans are white.Pkt., 10c; Lb., 30c. Postage additional.

London Horticultural, or Speckled Cranberry

One of the best of the Horticultural varieties as a late green shell bean. Many prefer this to the limas. The beans are large, ovate, flesh colored splashed with red.Pkt., 10c; Lb., 30c. Postage additional.

LIMA BEANS

Cultural Directions. Pole Lima and Dwarf Lima Beans are planted and cultivated the same as other Pole and Dwarf Beans except that they are more tender and must not be planted until later. The Pole varieties must be favored in every way possible. The Dwarfs are more suitable for the Northwest.

Burpee's Dwarf Lima Bean

The earliest and best of the Dwarf Lima Beans, and the most suitable of the Limas for this locality.Pkt., 15c; Lb., 35c. Postage additional.

BEANS

Dwarf, Wax or Yellow Podded Varieties

Cultural directions. Beans are very sensitive to cold and wet and should not be planted until the ground has become warm and dry. Drop the seed about three inches apart in drills two to three feet apart and cover about one and one-half inches deep. For succession, sow at intervals of about two weeks until the last of July. One pound of seed is sufficient for about one hundred feet of drill.

DAVIS WHITE KIDNEY WAX BEAN

The finest yellow podded bush bean. It is very early; the plant is hardy and produces an abundant crop of long, straight, waxy white pods, six to seven inches in length, very attractive and of splendid quality. The dried beans are pure white and are excellent for baking.Packet, 10c; Lb., 30c. Postage additional.

Golden Wax Bean

An old standard variety, and one of the earliest and best. The pods are of medium length, slightly curved, broad, flat, and of golden yellow color.Packet, 10c; Lb., 30c. Postage additional.

Wardwell's Kidney Wax Bean

A very popular wax bean, bearing long, waxy yellow, flat pods; stringless and brittle. A little later than Golden Wax.Packet, 10c; Lb., 30c. Postage additional.

Pencil Pod Black Wax Bean

A very handsome black wax yellow podded sort. Medium early, fairly hardy and productive. The pods are long, straight, round, fleshy, tender, stringless, and are produced through a long season.Packet, 10c; Lb., 30c. Postage additional.

Dwarf, Green Podded Varieties

Cultural directions. Same as the Dwarf, Wax or Yellow Podded varieties.

LONGFELLOW BEAN

The best of the green podded bush beans. The plants are compact, robust and produce extra early, abundant crops of very long, round, straight, solid, fleshy pods; very tender, brittle, and stringless when young. The flavor is delicious, and the delicate green color is retained after cooking.Packet, 10c; Lb., 30c. Postage additional.

Burpee's Stringless Green Pod Beans

A splendid dwarf, green podded variety for either the home garden or market. The plants are large and productive. The pods are five to six inches long, cylindrical, fleshy and of fine quality.Packet, 10c; Lb., 30c. Postage additional.

Early Long Yellow Six Weeks Bean

A very early green podded bean of good quality. The plants are vigorous and productive. A favorite for market.Packet, 10c; Lb., 30c. Postage additional.

Black Valentine Bean

A very hardy and productive green podded bean, popular with market gardeners. The plants are very productive.Packet, 10c; Lb., 30c. Postage additional.

Dwarf Horticultural Bean

One of the best dwarf for green shell beans for home and market, and may be used early as a green podded snap bean.Packet, 10c; Lb., 30c. Postage additional.

Refugee, or Thousand to One Bean

A standard and very productive variety, highly esteemed for late planting for snaps and for shipping, canning and pickling. The pods are cylindrical and five to six inches long.Packet, 10c; Lb., 30c. Postage additional.

Early Refugee Bean

An excellent green podded snap bean for early market. Stands shipment well. Similar to Refugee or Thousand to One except that it is much earlier.Packet, 10c; Lb., 30c. Postage additional.

Red Valentine Bean

Extra early, hardy and vigorous. Very dependable, even under adverse conditions. The pods are long, round, solid, tender and of good flavor.Packet, 10c; Lb., 30c. Postage additional.

Pole or Running Varieties

Cultural directions. Do not plant until the soil is warm and dry in spring. Six to ten seeds should be planted two inches deep around the base of poles set firmly in the ground three to four feet apart each way. Thin to three to four plants to the hill after danger of insects is past.

KENTUCKY WONDER, OR OLD HOMESTEAD POLE BEAN

The finest and most popular of the pole beans. It is early and very prolific, with long, attractive, green pods of the most excellent quality. The vines are vigorous, climbing well, very productive and bear pods in large clusters.Packet, 10c; Lb., 30c. Postage additional.

Golden Pod Kentucky Wax Bean

Very similar to the green podded Kentucky Wonder except that the pods are a little broader and are of a golden yellow color. Very fleshy, stringless and of excellent quality.Packet, 10c; Lb., 30c. Postage additional.

White Creaseback Bean

Extremely early. Vines vigorous and very productive. Pods five inches long, light green, and of good quality.Pkt., 10c; Lb., 30c. Postage additional.

Scarlet Runner Bean

Very ornamental, bearing a profusion of bright scarlet flowers. The pods, when young, are of fine quality.Pkt., 10c; Lb., 30c.

White Dutch Runner Bean

Similar to Scarlet Runner, except that the flowers are white.Pkt., 10c; Lb., 35c. Postage additional.

King of the Garden Lima Bean

A standard and favorite Pole Lima Bean, bearing large pods filled with very large beans, but growing conditions must be of the most favorable for success in this locality.Pkt., 15c; Lb., 35c. Postage additional.

Oregon Pole Lima Bean

Best of the Pole Lima Beans for the country west of the Cascade Mountains.Pkt., 15c; Lb., 35c. Postage additional.

FIELD BEANS

Cultural directions. Culture is the same as for other Dwarf Beans, except that for field culture the rows should be far enough apart to allow for cultivation with a horse. About sixty pounds of seed is required for an acre.

LADY WASHINGTON FIELD BEAN

Similar to the Small White Navy Bean, but larger, earlier and more productive. The bush is about fourteen inches high, yields immense crops, and matures in September.

Packet, 10c; lb., 15c. Postage additional.

BEETS

Cultural directions. The seed should be sown very early in spring and at intervals of about two weeks until the first of July for succession. The soil should be thoroughly prepared and finely pulverized and to make a quick growth should be made very rich with commercial fertilizer. Stable manure is liable to cause too much top growth. Seed should be sown about two inches apart in rows twelve to eighteen inches apart. The plants should be thinned to four inches apart. The young plants make excellent greens. The turnip varieties mature in sixty to seventy-five days; the long winter varieties require the entire season. Germination will be advanced several days if the seed is soaked in hot water. One ounce of seed is sufficient for fifty feet of drill; five to six pounds for an acre.

CRIMSON GLOBE

This is unquestionably the finest early beet, and those who have grown it will have no other. It is of medium size, about three inches in diameter, very nearly globular, with a smooth, even surface. The flesh is deep crimson, ringed and zoned, and is rich, sweet and tender.

Pkt., 10c; Oz., 15c; Lb., 75c. Postpaid.

CROSBY'S EGYPTIAN BEET

A splendid extra early beet, an improvement over the old Extra Early Egyptian, being larger and of better quality. The tops are small. The roots are flattened globe shape, smooth and of bright red color. The flesh is deep red zoned with a lighter shade, and is of fine quality.

Pkt., 10c; Oz., 15c; Lb., 75c. Postpaid.

Extra Early Egyptian Beet

Considered the best variety for forcing. The tops are small, the roots very dark red, small, flattened on the bottom, tender and sweet.

Pkt., 10c; Oz., 15c; Lb., 75c. Postpaid.

Early Blood Turnip Beet

Roots dark red and nearly round, slightly flattened. Flesh deep red zoned with lighter shade; sweet, crisp and tender. An excellent sort for summer and fall use.

Pkt., 10c; Oz., 15c; Lb., 75c. Postpaid.

Swiss Chard, or Sea Kale Beet, the finest of all vegetables for greens, is listed on page 16. Don't fail to order the seed.

BROCCOLI

Cultural directions. Broccoli closely resembles Cauliflower, but is harder, later, not so large, and is coarser. It is used as a winter cauliflower, being marketed in winter and early spring. The climate of the Northwest is especially adapted to its growth. Culture is the same as for Cauliflower.

SNOWDRIFT BROCCOLI

A new and exceedingly fine variety. The heads are large and white, and the quality is unexcelled. Perfectly hardy, and will thrive in our climate.

Pkt., 15c; Oz., \$1.00. Postpaid.

ST. VALENTINE BROCCOLI

A splendid new strain of white Broccoli. It is a sure header; the heads are large, solid, white and handsome; and they remain in good condition longer than other varieties. It is ready for market in February.

Pkt., 15c; Oz., \$1.25. Postpaid.

Early Large White French Broccoli

The plants are very hardy, vigorous and easily grown. The heads are white, compact, hard and of good quality.

Pkt., 15c; Oz., \$1.00. Postpaid.



Crimson Globe Beet

Early Eclipse Beet

An early beet, especially desirable for the home garden. The roots are bright red, smooth, round or slightly top-shaped, with small tap root and small collar. The flesh is bright red zoned with pinkish white, and is very sweet, crisp and tender when young.

Pkt., 10c; Oz., 15c; Lb., 75c. Postpaid.

Detroit Dark Red Turnip Beet

A choice variety of early turnip beet. Medium size, nearly globular in form and of deep red color. Very uniform in shape and color. Popular for canning; also excellent for both market and home use.

Pkt., 10c; Oz., 20c; Lb., \$1.25. Postpaid.

HALF LONG BLOOD BEET

The best variety for winter and spring use and to slice for pickles. It is half-long. The flesh is of deep, rich red color and is sweet and tender.

Pkt., 10c; Oz., 20c; Lb., \$1.25. Postpaid.

Long Smooth Blood Red Beet

A standard late variety, keeping well through the winter. The flesh is dark red, tender and sweet. Excellent for pickles.

Pkt., 10c; Oz., 20c; Lb., \$1.25. Postpaid.

Mangels, or Stock Beets are listed in the Farm Seeds section of this catalog. They are valuable Poultry and Stock Food.

Purple Cape Broccoli

The heads are light purple in color; close, compact, and of fine flavor.

Pkt., 15c; Oz., 75c. Postpaid.

CHERVIL

Cultural directions. A hardy annual plant with aromatic leaves, somewhat resembling parsley. The young leaves are used in soups and for flavoring and garnishing meats and vegetables.

The seed should be sown in seed bed early in spring in rich, well prepared soil. It is slow to germinate, and the plants may not appear for four or five weeks. When the plants are large enough, transplant about eight inches apart in rows twelve to sixteen inches apart. Several cuttings may be made during the season.

Curled Chervil

Very finely curled, resembling parsley; much superior to the plain variety; early, handsome, and with fine flavor and fragrance.

Pkt., 10c; Oz., 25c. Postpaid.



Prolific Exhibition Brussels Sprouts

QUICKSILVER CAULIFLOWER

An extremely early variety, new to this country. The heads are of medium size, compact, pure white, and are of the finest quality.

Pkt., 25c; oz., \$5.00; postpaid.

Early Paris Cauliflower

Very early. The heads are rather small but are solid and of fine quality.

Pkt., 10c; oz., \$3.00; postpaid.

Early Snowball Cauliflower

The standard and most generally grown early cauliflower for all purposes. The heads are of medium to large size, solid, compact, round, very white and curd-like, and are developed very early.

Pkt., 10c; oz., \$3.00; postpaid.

Danish Snowball Cauliflower

A Danish strain of Snowball Cauliflower of superior quality.

Pkt., 10c; oz., \$3.50; postpaid.

AUTUMN GIANT CAULIFLOWER

A late sort with a long stem and an abundance of dark green leaves. The heads are very large, white, firm and compact, and remain a long time fit for use.

Pkt., 10c; oz., \$1.50; postpaid.

Danish Giant or Dry Weather Cauliflower

A medium early variety especially adapted for growing in dry localities. A sure header, white, solid and of good quality.

Pkt., 25c; oz., \$4.00; postpaid.

The Root Maggot problem has been solved. MAG-O-TITE is a sure cure.

CHICORY

Cultural directions. Seed should be sown early in spring, similar to carrots and parsnips, in rows twelve to eighteen inches apart, and the plants thinned to six inches apart. The leaves are used like spinach for greens, or the dried roots may be ground and used as a substitute for coffee. The roots may be dug in fall, the tops cut off about one and one-quarter inch from the neck, replanted in a trench about two inches apart and covered with eight inches of fine soil. These will produce an abundance of blanched leaves which make splendid winter salad.

WITLOOF CHICORY

Grown mainly as a winter salad. When properly grown and blanched it produces leaves with wide ribs or leaf stalks which form a cluster or head.

Large Rooted or Coffee Chicory

The largest rooted variety. The roots are used as a substitute for coffee, and the leaves are used for greens and salad.

Pkt., 10c; oz., 40c; postpaid.

BRUSSELS SPROUTS

Cultural directions. Belongs to the cabbage and cauliflower family, and the culture is similar. The edible portion is the small heads, less than two inches in diameter, which form on the stalk at each leaf joint. They are very hardy, and in this climate may be left in the garden all winter, the sprouts being removed as wanted for use. The side leaves should be broken off in the fall to give the sprouts room to grow.

PROLIFIC EXHIBITION BRUSSELS SPROUTS

A very superior variety which can always be relied upon. Very fine, even shaped sprouts of good size and fine flavor. Not a coarse sprout, and not too small. Very prolific.

Pkt., 15c; oz., 75c; postpaid.

Odesse Market Brussels Sprouts

An improved Danish variety. An abundant producer, of nice shape and excellent quality. Is very hardy and an excellent variety in every respect.

Pkt., 10c; oz., 35c; postpaid.

Improved Half Dwarf Brussels Sprouts

The plants are half dwarf, growing about two feet high. They are very hardy and produce compact, rounded, grayish-green sprouts of good size and fine quality.

Pkt., 10c; oz., 35c; postpaid.

Dwarf Improved Brussels Sprouts

A dwarf variety, very hardy and producing compact, round sprouts of large size and good quality.

Pkt., 10c; oz., 35c; postpaid.

CAULIFLOWER**Cultural directions.**

The culture is practically the same as for cabbage except that they require a little more care and more fertilizer and water. When the heads have formed they may be blanched by tying some of the larger leaves over them. They should be used while young and the curd is compact and firm.

Use Mag-o-tite to eliminate root mag-gots.



Quicksilver Cauliflower

Late Algiers Cauliflower

A late variety, sure to head, and popular with market gardeners. The plant is large, of upright growth, and the leaves protect the head so that it is not injured by frost. It is of excellent quality.

Pkt., 10c; oz., \$2.00; postpaid.

CHIVES

The plant resembles coarse bunch grass, but the leaves have a mild onion flavor and are used in salads and for flavoring soups. It is a perennial, lasting for several years, and the leaves may be cut as wanted for use at almost any time during the year.

Pkt., 10c; postpaid.

COLLARDS

A loose leaved cabbage or kale-like plant grown mostly in the south and used for greens. Culture is similar to cabbage.

Pkt., 10c; oz., 20c; postpaid.

CHINESE CABBAGE**Pe-Tsai. Celery Cabbage**

The plant forms heads much like Cos Lettuce. The inner leaves blanch an attractive yellow or creamy white with very white midribs. It is of distinct flavor, mild and pleasant, and is served as a salad or cooked like asparagus. The seed should not be sown until late in summer.

Pkt., 10c; oz., 50c; postpaid.

CABBAGE

Cultural directions. Cabbage requires a very rich, thoroughly tilled soil. A heavy loam is most suitable. For early cabbage the seed should be sown in hotbeds in February or in cold frames in September. The plants should be properly thinned, transplanted and hardened off. Plants may be purchased from seedsmen. Early in spring the plants should be set in the garden about eighteen inches apart in rows thirty to thirty-six inches apart.

Seed for late varieties should be sown in seed bed from early spring to June. The plants must be severely thinned to give them plenty of room to grow. They may be transplanted to the garden as late as the first of August.

Root Maggots, which have made it difficult to grow good crops of cabbage, may be eliminated by using Mag-o-tite.

STANLEY CABBAGE

A new variety in this country, one of the very earliest, and in quality one of the finest of the extra early varieties. It is of medium size, very firm at the heart; with very few outer leaves and these free from coarseness. It is dark green in color with small white veins.

Pkt., 15c; oz., \$1.00; postpaid.

Perfect Model Cabbage

An excellent early cabbage; of medium size, long and pointed; uniform in shape and of splendid quality. Excellent for market, maturing all at one time.

Pkt., 15c; oz., \$1.00; postpaid.

COPENHAGEN MARKET CABBAGE

The earliest large, round headed cabbage, very large, very early and very solid. The plants are short stemmed, compact, with few outer leaves, and are vigorous. One of the best for either home or market.

Pkt., 10c; oz., 50c; postpaid.



Randall-McLoughlin Company,
Seattle.

Gentlemen:

In reply to your inquiry as to the efficiency of "Mag-o-tite" for combatting cabbage maggot, I should like to say that my present report must be considered as a tentative one, since the season is not yet fully over and my observation has been that the maggot fly has not been so prevalent this season as is usually the case.

Making these reservations, however, in the interests of accuracy of statement, I feel free to state that I have had very much better results from the use of this preparation as an aid in growing maggot-infested crops than I have had with any one material or device which I have used, with the exception of a completely screened seed bed.

The first "Mag-o-tite" which I secured from you in the early part of May was used, at once, on a small planting of Wakefield cabbages which were very badly infested with maggots and eggs. No attempt was made to remove either the larva or eggs and the "Mag-o-tite" was merely applied close to the roots after the earth had been drawn away. Only one plant out of the lot succumbed to the pest and it was practically dead at the time of application. Most of the crop has already been harvested as excellent cabbage and the rest is hardening up at this time.

In addition to this initial test I have successfully raised two lots of onions, three lots of radishes, two crops of turnips and have growing, at the present time, cabbage, kale, broccoli, cauliflower and Brussels sprouts. Some of these crops I have not been able to grow successfully for years on account of the destruction wrought by the pest in question. I feel, therefore, confident that you have hit upon a really good protective application and, at the same time, a real remedy when the insect is present. This after a number of trials in which the maggots have been allowed to infest the crop before application and a number of other trials in which "Mag-o-tite" was kept on continuously from the sowing of the seed.

As you are aware, I have taken considerable pains in trying out "Mag-o-tite" as I have with a number of other materials which have been suggested. I have done this because this one pest is, by all odds, the worst which the Western Washington gardener has to contend with. It has been, in fact, so serious that for several years I have not recommended the growing of certain infested crops to the amateur gardener, at all. I have, however, become so confident of the success of your remedy that I have recommended it to all of my personal friends who are gardeners and I now take pleasure in permitting you to use my name in connection with the testing out of your product.

It is, of course, too early to say whether another season results would be so satisfactory, but there is every reason to believe that at least great relief can be had by the use of the so-called "Mag-o-tite" which you have placed upon the market.

Should your remedy continue to be as beneficial as it appears now to be, you will, in my estimation, have achieved a permanent niche in the history of the development of horticulture in Western Washington and other sections of the country which have been laboring under the handicap of the cabbage maggot pest.

Yours very sincerely,
RONALD E. CHAPMAN,
Director of Agriculture and Gardening.



Danish Ballhead Cabbage

DANISH BALHEAD CABBAGE

A fine and justly popular late cabbage. It is the hardest of all cabbages, the best for shipping, and in great demand by commercial growers. The plants are vigorous and compact, with stem of medium length. The heads are of medium size, round and exceptionally solid.

Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Early Jersey Wakefield Cabbage

This has long been the standard early cabbage. It is one of the earliest and is a sure header. The heads are of medium size, uniformly pointed, very solid and of good quality.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Early Winnigstadt Cabbage

Not quite so early as Early Jersey Wakefield, but similar in shape and size. An excellent early variety for home or market.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Early Dwarf Flat Dutch Cabbage

A good second early variety. Short stemmed, upright, compact, with few outer leaves. The heads are rather large, nearly round, flattened; firm and very solid. Good for home or market.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., \$1.00; postpaid.

Succession Cabbage

A sure heading intermediate or second early variety. Short stemmed. Heads large, deep, very firm and of excellent quality.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Little Wonder Cabbage

A very early variety, conical in form, hardy, solid and of good quality and flavor.

Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; postpaid.

Glory of Enkhuizen Cabbage

A second early variety, very sure heading and of excellent quality. The heads are very nearly round, very solid and of good size.

Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Late Flat Dutch Cabbage

A fine old standard variety. The plants are short stemmed with spreading outer leaves. The heads are very large, flat, solid, and of fine quality. It is late, and a good keeper and shipper.

Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Large Late Drumhead Cabbage

A popular late cabbage for commercial growing and shipping. The heads are very large and solid; flattened.

Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Surehead Cabbage

One of the most reliable main crop or late cabbages; very hardy and exceptionally sure heading. The heads are large, flattened on top, solid and of excellent quality. A good keeper.

Pkt., 10c; oz., 40c; $\frac{1}{4}$ lb., \$1.25; postpaid.

Red Rock Cabbage

The largest and surest heading red cabbage. It is late, large, round, very solid and of attractive deep red color.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; postpaid.

American Drumhead Savoy Cabbage

Best of the main crop or late Savoy Cabbages. The plants are vigorous, with rather short stem, and are very sure heading. The leaves are fleshy and are densely and uniformly crumpled. The heads are large, nearly round, fairly solid, sweet and tender.

Pkt., 10c; oz., 35c; $\frac{1}{4}$ lb., \$1.25; postpaid.

DON'T ATTEMPT TO GROW CABBAGES, Cauliflower, Kale, Radishes, Turnips or Onions without using MAG-O-TITE. The Root Maggots will get them.

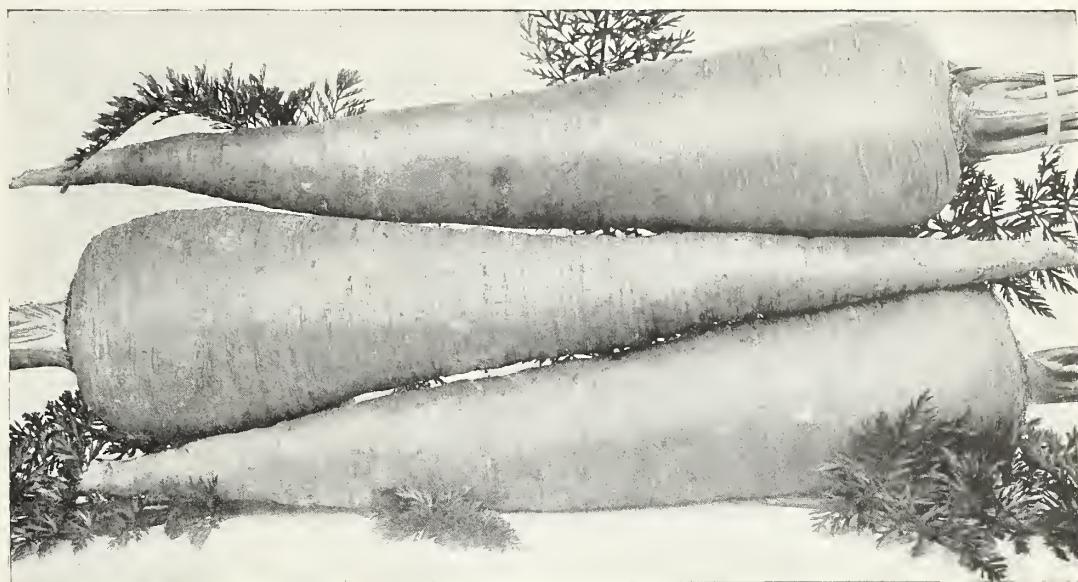
CARROTS

Cultural directions.
Like other root crops, carrots do best in a rich sandy loam, well tilled. For early crop the seed should be sown very early in spring, but for later crops it may be sown any time before the middle of June. Sow in drills about sixteen inches apart, one-half inch deep, and thin the plants to about three inches apart. The seed is slow to germinate.

EARLY MARKET CARROT

A new early variety, quick growing and a heavy producer of sound roots of the finest quality. It is stump rooted and heavy shouldered.

Pkt., 10c; oz., 35c; lb., \$2.50; postpaid.



Chantenay Carrot

An excellent medium early half long variety; one of the best in quality, and very productive. The roots are about six inches long, stump rooted, slightly tapering, smooth, and deep orange in color. The flesh is very crisp and tender.

Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00; postpaid.

Improved Long Orange Carrot

A long intermediate or late variety, often twelve inches in length and three inches in diameter at the crown, tapering to a point. Excellent for table use when young. Very productive, and in demand for a stock carrot.

Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00; postpaid.

Early French Forcing Carrot

A very early, small, nearly round variety, similar to Scarlet Horn. Used for forcing and early outdoor culture.

Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25; postpaid.

Early Scarlet Horn, or Short Horn Carrot

A very early variety used for forcing and early outdoor culture. The roots are reddish orange, and when forced quickly in very rich soil are very nearly round, but longer when grown outdoors. Should be used before fully grown, while young and tender.

Pkt., 10c; oz., 20c; 1/4 lb., 45c; lb., \$1.25; postpaid.

Danvers Half Long Carrot

The most popular and generally grown variety for both home and market. It is also a favorite for stock feeding, for although it does not yield so heavily as the larger varieties, it is richer and of much better quality. Stump rooted, six to eight inches long, deep orange in color, tender and of good quality.

Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00; postpaid.

Half Long Scarlet Stump Rooted Carrot

About as long as Danvers Half Long, but not so thick. It is of uniform thickness from shoulder to root, and very stump rooted.

Pkt., 10c; oz., 20c; 1/4 lb., 40c; lb., \$1.25; postpaid.

Oxheart, or Guerande Carrot

A very thick, blunt carrot growing five to six inches long; a heavy yielder and used for both table and stock. The flesh is bright orange, fine grained and sweet.

Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00; postpaid.

Mastodon Stock Carrot

An excellent white stock carrot, popular on account of its immense size, productiveness, and being short and easy to harvest. Not suitable for table use.

Pkt., 10c; oz., 15c; 1/4 lb., 35c; lb., 90c; postpaid.

Large White Belgian Stock Carrot

A very large and productive white stock carrot, growing mostly above ground. Not suitable for table use, but splendid for stock food.

Pkt., 10c; oz., 15c; 1/4 lb., 35c; lb., 90c; postpaid.

Yellow Giant Stock Carrot

A new Australian variety, wonderfully productive and easy of culture. Does best on heavy soils. The shoulders stand well out of the ground, making them easy to harvest. Bright yellow in color, and in great favor with butter makers.

Pkt., 10c; oz., 15c; 1/4 lb., 40c; lb., \$1.00; postpaid.

CELERY

Cultural directions. Celery does best in muck land but can be grown in any good moist, garden soil. The seed is slow to germinate. Sow in very rich soil in boxes indoors or in frames under glass. When plants are two inches high transplant in boxes or frames two inches apart each way. When ready to set outdoors, transplant six inches apart in bottom of trenches three feet apart and six inches deep. When nearly full grown they may be blanched by banking earth against them or by placing boards on edge on both sides of the rows.

GOLDEN SELF BLANCHING CELERY

The standard variety for early use, most generally grown by market gardeners and for home use. The plants are of medium size, compact and stocky, with yellowish-green foliage. The stalks are crisp, tender, free from stringiness, and have a delightful nutty flavor.

Pkt., 15c; oz., 50c; postpaid.

White Plume Celery

A handsome, very early variety. As the plants mature the inner stems and leaves turn white and require to be blanched but a short time before they are ready for use.

Pkt., 15c; oz., 40c; postpaid.

Perfection Heartwell Celery

An exceedingly fine variety of white celery, popular among market gardeners as it requires but little blanching. It grows quickly, the stalks are of good size, crisp and tender, and it is a good keeper.

Pkt., 10c; oz., 30c; postpaid.

Boston Market Celery

A good keeper and an excellent variety for winter use. Very dwarf, white, solid, crisp and tender.

Pkt., 10c; oz., 30c; postpaid.

Giant Pascal Celery

A very large, green leaved, late variety, popular for late fall and winter use. It blanches a beautiful light yellow, and is solid, crisp and of good flavor.

Pkt., 10c; oz., 35c; postpaid.



Golden Self Blanching Celery

SWEET CORN

Cultural Directions. Our cool climate is not very favorable for growing corn, and to be successful it must be given every advantage possible. The soil should be light, warm and rich, preferably sloping to the south. Corn is very sensitive to frost, and it should not be planted until danger of frost is past. Do not plant too close; the hills should not be less than one foot apart in rows three and one-half feet apart. Nitrate of Soda, or other nitrogenous fertilizer, applied early in the season will give the plants a good start.

GOLDEN BANTAM CORN

Golden Bantam is one of the newer varieties, and has become the most popular sweet corn grown. There is no other variety to compare with it in sweetness or flavor. It is early; the stalks are sturdy and grow four to five feet high. The ears are eight rowed, six to seven inches long, and the kernels are large, exceptionally rich and sweet, and of a beautiful golden color.

Pkt., 10c; 1 lb., 30c. Postage additional.

Early Howling-Mob Corn

A splendid new early variety, not quite so early as Early Cory, but the ears are much larger and the grains much whiter and sweeter. The ears measure seven to nine inches in length, with twelve to fourteen rows of good sized pearly white grains.

Pkt., 10c; 1 lb., 30c. Postage additional.

Peep O'Day Corn

The earliest variety grown. The ears grow about five inches long; the kernels are large, white and tender.

Pkt., 10c; 1 lb., 25c. Postage additional.

Early White Cory Corn

A very early variety, each stalk usually bearing two ears six to seven inches long, with sweet, tender and delicious milky white kernels. Plants dwarf.

Pkt., 10c; 1 lb., 25c. Postage additional.

Mammoth White Cory Corn

An excellent early variety, a little later than Early White Cory, but the ears are larger.

Pkt., 10c; 1 lb., 25c. Postage additional.

Country Gentleman Corn

The finest of the later varieties. It does well in this locality when conditions are favorable. The ears are seven to nine inches long, the cobs very small and densely covered with irregular rows of very long, slender white grains, unsurpassed in quality.

Pkt., 10c; 1 lb., 25c. Postage additional.

Early Minnesota Corn

An old standard second early sweet corn of good size and excellent quality.

Pkt., 10c; 1 lb., 25c.

Stowell's Evergreen Corn

A standard late variety of fine quality, very tender and sugary, remaining a long time in edible condition. Ears seven to eight inches long, fourteen to twenty rowed, with very white grain.

Pkt., 10c; 1 lb., 25c.

Black Mexican Corn

Although the ripe grain is bluish black, the corn when young cooks remarkably white, and is very tender and sweet. It is a second early or late variety. The stalks grow tall. The ears are about eight inches long, and usually eight rowed.

Pkt., 10c; 1 lb., 35c.

Field Corn is listed on page 41.



FERTILIZERS are a great help in growing Corn in the Northwest.

CORN SALAD, or *Fetticus*

A small, quick growing salad plant for late fall winter and spring use. The leaves are used as a substitute for lettuce and spinach.

Sow the seed in August or September in shallow drills about one foot apart, covering with a quarter inch of fine soil firmly pressed down. On the approach of severe cold weather, cover with straw or coarse litter. The leaves should be picked when half as large as lettuce. A second crop may be picked from the same plant.

Pkt., 10c; 1 oz., 25c. Postage prepaid.

CELERIAC, or Turnip Rooted Celery

A turnip rooted kind of celery, the roots of which are the edible portion. They keep well for winter use, and are used in soups and stews. They are also cooked or sliced as a salad.

Pkt., 10c; 1 oz., 30c. Postpaid.

CRESS

Curled Cress, or Pepper Grass

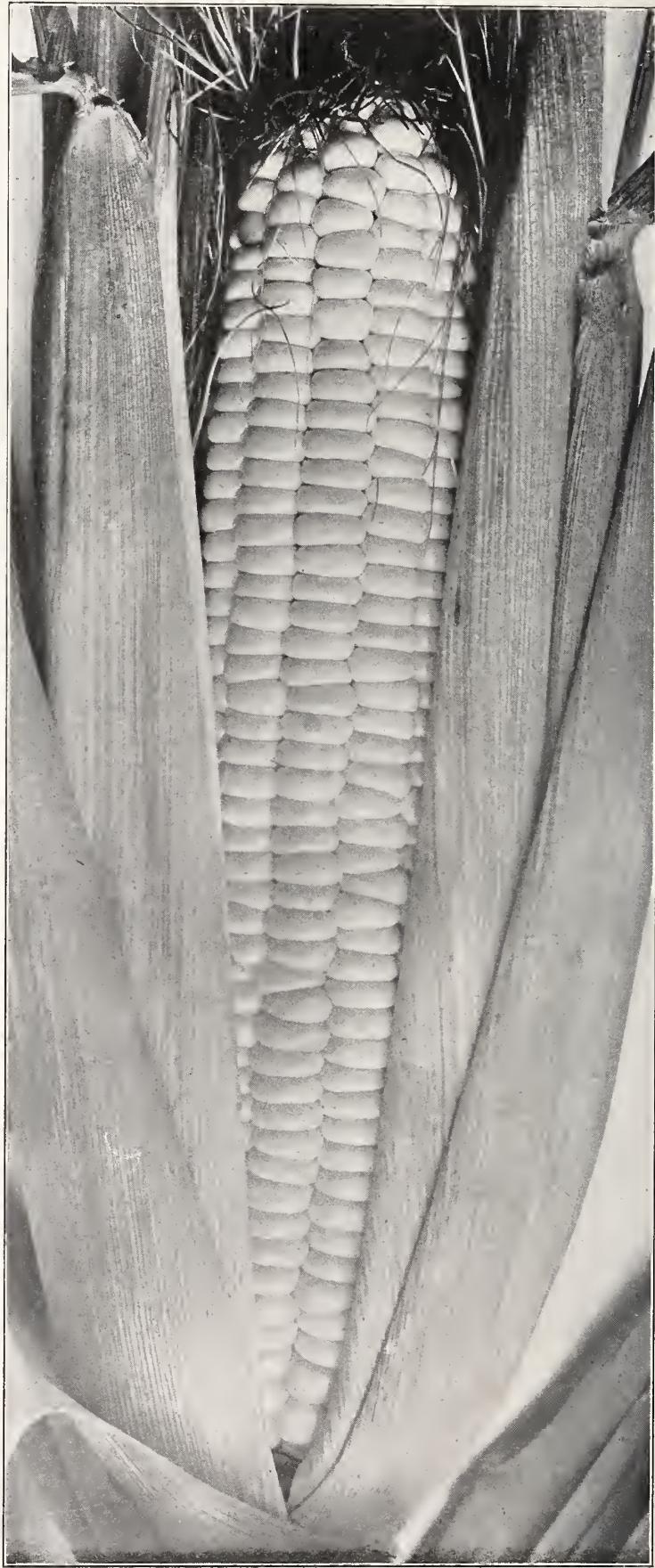
Finely cut and ornamental, crisp, pungent leaves, used as a condiment and for garnishing.

Pkt., 10c; Oz., 20c. Postpaid.

Water Cress

Must be grown along moist banks or in tubs in water-covered soil. Highly esteemed for salads and garnishing.

Pkt., 10c; Oz., 75c. Postpaid.



Golden Bantam Sweet Corn



Davis Perfect Cucumber

CUCUMBERS

Cultural Directions. Cucumbers require a warm, rich, sandy loam soil. For early cucumbers the plants may be started in boxes or pots in a hotbed or in the house. They should not be set outdoors until the weather is warm and settled. Form hills about four feet apart each way by mixing a generous amount of well rotted stable manure or commercial fertilizer with the soil. Plant eight to a dozen seeds, or plants, in each hill. After all danger of insects is past thin the plants to three or four of the strongest in each hill. The fruit should be gathered when large enough, whether required for use or not.

DAVIS PERFECT CUCUMBER

A very early, handsome and well shaped cucumber, bringing fancy prices in the market, and often mistaken for hot-house grown. The long, even fruits are of fine form with an intensely dark, rich green skin. It has very few seeds, and the solid white flesh is of the finest quality.

Pkt., 10c; Oz., 20c. Postpaid.

Long Green Cucumber

Vines vigorous and productive. The fruits are very long, often twelve to fifteen inches when mature, slender and of beautiful dark green color. Excellent for both slicing and pickles.

Pkt., 10c; Oz., 20c. Postpaid.

White Spine Cucumber

One of the best for table use. The vines are vigorous, fruiting early and abundantly. The fruits are dark green, about seven inches long when mature, and the flesh is crisp, tender and of excellent quality.

Pkt., 10c; Oz., 20c. Postpaid.

Early Frame, or Short Green Cucumber

An early, medium sized, bright green variety, popular for the home garden for both pickling and slicing. The vines are vigorous and productive, the flesh crisp and tender.

Pkt., 10c; Oz., 20c. Postpaid.

EGG PLANT

Cultural Directions. Egg Plants are rather difficult to grow successfully in our cool climate, and must be favored in every way possible. They must be started indoors early in spring. The culture is practically the same as for tomatoes.

New York Improved Egg Plant

The most popular and largest variety. The plants are very productive and spineless. The fruit is very large, early, oval in form and deep purple in color.

Pkt., 10c; Oz., 50c. Postpaid.

Black Beauty Egg Plant

Earlier than New York Improved, large and symmetrical, nearly round, and very dark, rich purple.

Pkt., 10c; Oz., 50c. Postpaid.

Black Pekin Egg Plant

Early, very large and round. The skin is smooth, black and glossy. The flesh is tender and of fine quality.

Pkt., 10c; Oz., 50c. Postpaid.

HERB SEEDS

Cultural Directions. Most of the herbs thrive best on sandy soil. Sow the seed early in spring in drills about eighteen inches apart, having the soil fine and pressed firmly over the seed. Most herbs should be cut when in bloom, wilted in the sun and thoroughly dried in the shade.

Anise. Annual. Seeds have medicinal value.....Pkt., 10c; Oz., 20c

Balm. Perennial. Leaves used for medicine.....Pkt., 10c; Oz., 50c

Basil, Sweet. Annual. Culinary herb.....Pkt., 10c; Oz., 20c

Caraway. Perennial. Seeds used for flavoring.....Pkt., 10c; Oz., 20c

Catnip. Perennial. Used for flavoring.....Pkt., 10c; Oz., \$1.00

Coriander. Annual. Seeds used for flavoring.....Pkt., 10c; Oz., 20c

Dill. Annual. Seeds used for flavoring.....Pkt., 10c; Oz., 20c

Cultural Directions. Grown mostly for fall and winter use for salads, garnishing, greens, and for flavoring soups and stews. For early use sow the seed about the middle of April, for late use sow in June or July in drills about eighteen inches apart. Thin the plants to twelve inches apart. When nearly full grown, tie the outer leaves together over the center to blanch the heart of the plant.

Broad Leaved Batavian Endive (Escarolle)

Has broad, twisted leaves. The inner leaves form a head which blanches beautifully and is crisp and tender.

Pkt., 10c; Oz., 20c. Postpaid.

White Curled Endive

Very light yellowish green; crisp and tender.

Pkt., 10c; Oz., 20c. Postpaid.

Green Curled Endive

The hardest variety. Blanches creamy white. Long standing.

Pkt., 10c; Oz., 20c. Postpaid.

Horehound. Perennial. Used in cough medicine.....Pkt., 10c; Oz., 30c

Lavender. Perennial. Leaves used for perfume.....Pkt., 10c; Oz., 35c

Peppermint. Perennial. For flavoring.....Pkt., 10c

Sage. Perennial. Leaves used for seasoning.....Pkt., 10c; Oz., \$1.00

Summer Savory. Annual. Used for seasoning.....Pkt., 10c; Oz., 30c

Sweet Marjoram. Annual. Used for flavoring.....Pkt., 10c; Oz., 60c

Thyme. Perennial. Leaves used for seasoning.....Pkt., 10c; Oz., 50c

LETTUCE

Cultural Directions. Lettuce thrives in ordinary rich garden soil, but to be crisp and tender it must be grown quickly and for that reason liberal quantities of nitrogenous fertilizers should be used. Light applications of Nitrate of Soda during the early growing season will assist wonderfully. For outdoor culture the seed should be sown very early in spring, sowing early and late varieties or sowing at intervals of about two weeks for succession. Seed should be covered very lightly in rows twelve to sixteen inches apart. The plants should be thinned to about four inches apart, and as they begin to crowd each other they should be further thinned by using alternate plants. The head varieties, especially, require plenty of room for development. Lettuce requires plenty of moisture, will go to seed as soon as the soil becomes dry, and does not thrive during the hot, dry summer.

SILVER COS LETTUCE

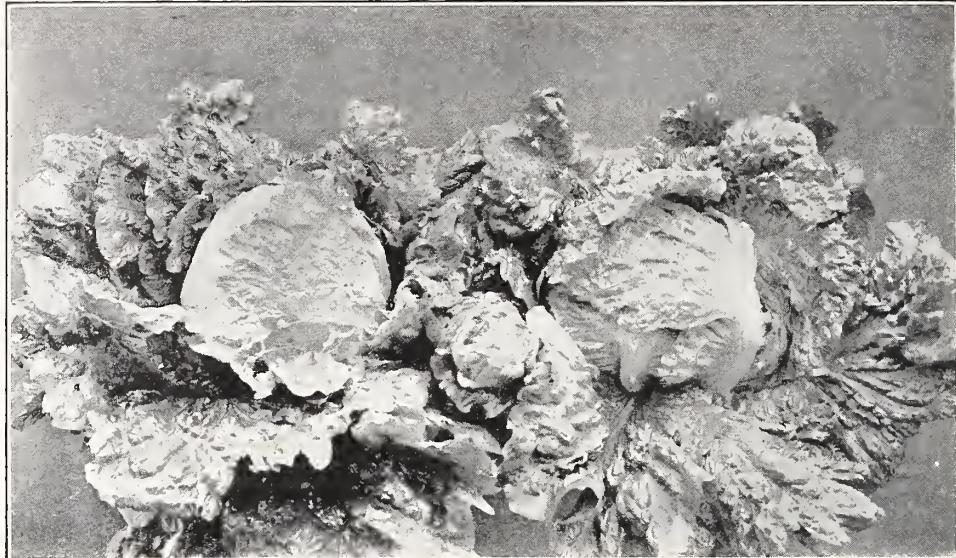
The Cos or Romaine lettuce deserves to be more generally grown for home use, for it is unequalled in crispness, tenderness, and has a flavor distinct from any other. The long, narrow, spoon-shaped leaves are folded into loose sugar-loaf shaped heads which are blanched by tying the outer leaves about them.

Pkt., 10c; Oz., 40c. Postpaid.

NEW YORK, OR WONDERFUL LETTUCE

This has recently become the most popular head lettuce, and deservedly so. It is extremely large, and is a sure header under all ordinary conditions. It thrives in all climates and seasons and is unequalled for growing during the summer months. The heads are fairly solid, blanch creamy white, and are crisp, tender and delicious.

Pkt., 10c; Oz., 30c. Postpaid.



Improved Hanson Head Lettuce.

IMPROVED HANSON HEAD LETTUCE

This has long been a favorite late summer lettuce. The plant is compact and forms a large cabbage-like head which remains in condition longer than most heading sorts. The outer leaves are bright yellowish green, broad, crumpled and frilled. The head is tight and the inner leaves are curled, white, crisp and sweet.

Pkt., 10c; Oz., 20c. Postpaid.

May King Lettuce

An extremely early head lettuce, forming solid little heads the inner leaves of which blanch rich golden yellow; very tender and buttery.

Pkt., 10c; Oz., 15c. Postpaid.

Big Boston Lettuce

Very popular with market gardeners, both for forcing and outdoor culture. Heads very large.

Pkt., 10c; Oz., 20c. Postpaid.



New York, or Wonderful Lettuce.

Black Seeded Simpson Lettuce

A large, loose, clustering, curly, thin leaved bunching variety used both for outdoor culture and for forcing under glass. The leaves are ruffled and blistered and even the large outer ones are very tender.

Pkt., 10c; Oz., 15c. Postpaid.

Early Curled Simpson Lettuce

The plant forms a large, dense cluster of broad, blistered and crumpled leaves; light green, crisp and sweet.

Pkt., 10c; Oz., 15c. Postpaid.

Deacon, or San Francisco Market Lettuce

An excellent summer variety. Heads of large size, very firm, and remains in condition for use a long time.

Pkt., 10c; Oz., 20c. Postpaid.

Prizehead Lettuce

An old favorite non-heading variety. The leaves are bright green tinged with red at the edges; curled, crisp, tender and sweet. Not a good shipper, but fine for the home garden.

Pkt., 10c; Oz., 15c. Postpaid.

Grand Rapids Lettuce

A favorite greenhouse forcing variety; quick growing, hardy and not liable to rot. The plant forms a loose cluster of large, thin, bright green leaves, savoyed and crimped at edges.

Pkt., 10c; Oz., 15c. Postpaid.

Iceberg Lettuce

A light green, brown tinged, curled, non-heading lettuce, large, crisp, tender. Fine for home or market.

Pkt., 10c; Oz., 20c. Postpaid.



Silver Cos Lettuce.

KALE, OR BORECOLE

Cultural Directions. Kale is used for greens and for garnishing during the winter and spring, and is so hardy that in this locality it may be used from the garden at almost any time during the winter. For winter use the seed should be sown in September, one-half inch deep, in drills two feet apart. The plants should be thinned to about eighteen inches apart. The young plants which are removed make excellent greens. Frost improves the quality. For summer use, sow the seed early in spring.

EMERALD ISLE KALE

The handsomest and one of the best strains of green curled kale. It is of medium height, of a rich emerald-green color, beautifully fringed and curled, and is sufficiently hardy to withstand the winters on the Pacific Coast.

Pkt., 10c; Oz., 30c; Lb., \$2.00. Postpaid.

Dwarf Moss Curled Kale

Of medium height with beautiful green leaves so closely curled as to resemble parsley.

Pkt., 10c; Oz., 30c; Lb., \$2.00. Postpaid.

KOHL RABI

Cultural Directions. This is an excellent vegetable which should be more generally grown. The edible portion is the large bulb which forms above ground. It should be used before fully grown, while young and tender. It is used the same as turnips, and combines the flavor of turnips and cabbage. Seed should be sown early in spring, one-half inch deep, in drills eighteen inches apart, and the plants thinned to six inches apart. Sow at intervals of two weeks for succession.

Early White Vienna Kohl Rabi

The most popular sort. Very early, medium size, nearly white.

Pkt., 10c; Oz., 30c. Postpaid.

Early Purple Vienna Kohl Rabi

Very early. Bulbs of medium size; purple. Flesh white. Desirable for forcing and early outdoor culture.

Pkt., 10c; Oz., 30c. Postpaid.

MUSKMELON

Cultural Directions. To grow Muskmelons successfully on the Pacific Coast all conditions must be as favorable as possible. The soil should be rich, light and warm, and a generous amount of well rotted stable manure or commercial fertilizer should be mixed with the soil in each hill. Plants may be started in boxes or pots in the house or hotbed, or seed may be planted the same as cucumbers when the weather is settled and warm.

ROCKY FORD, or NETTED GEM MUSKMELON

This is by far the most popular cantaloupe grown, and is unequalled in quality and flavor. The fruit is of medium size, oval, slightly ribbed and finely netted. The flesh is green, thick, very sweet and of the finest flavor.

Pkt., 10c; Oz., 15c; Lb., \$1.25. Postpaid.

Osage, or Miller's Cream Muskmelon

An excellent main crop, large, oval melon. The fruits are slightly ribbed and partly covered with a shallow gray netting. The flesh is rich orange-salmon, very thick, fine grained and highly flavored.

Pkt., 10c; Oz., 15c; Lb., \$1.25. Postpaid.

WATERMELON

Cultural Directions. The Watermelon is another long season crop, and is not very successful west of the Cascade Mountains. The plants may be started in the house or hotbed, the same as muskmelons, and the culture is the same except that they require more room.

TOM WATSON WATERMELON

A large, long melon, similar in shape, color and quality to Kleckley Sweets, but larger and with a tougher skin, making it a better shipper. The vines are vigorous and productive. The flesh is rich red, sweet and tender. The seeds are white marked with brown.

Pkt., 10c; Oz., 15c; Lb., \$1.25. Postpaid.

Cole's Early Watermelon

The fruit is of medium size, oblong, striped and mottled. The flesh is bright red, solid and of fine sweet flavor.

Pkt., 10c; Oz., 15c; Lb., \$1.25. Postpaid.

Gypsy, or Georgia Rattlesnake Watermelon

One of the oldest and most popular sorts; large, oblong, with decided stripes of light and deep green. The rind is tough; flesh bright red and of good quality.

Pkt., 10c; Oz., 15c; Lb., \$1.25. Postpaid.



MUSHROOM SPAWN

Cultural Directions. Mushrooms may be grown in a cellar, shed or any place where a uniform temperature of fifty degrees can be maintained. Prepare a bed by mixing about three parts fresh horse manure with one part rich loam soil. Allow this to stand for a few days until it becomes heated, then fork it over and let it stand until it again becomes heated. Then make into a bed about four feet wide, any desired length, and twelve to eighteen inches deep, packed down firmly. In a few days the temperature will rise; do not spawn the bed until it has subsided to about ninety degrees. Cut a brick of spawn into about twelve pieces and insert the pieces in the bed about ten inches apart each way, one to two inches below the surface. Firm the bed down and cover with two inches of loam. Do not water the bed unless it becomes dry, then moisten with a fine spray. Mushrooms should be ready to use in six to eight weeks, and last about thirty days. After the first crop is removed, spread an inch of loam over the bed, and moisten with water.

American Pure Culture Mushroom Spawn

By a new process of selection and grafting, this spawn is scientifically propagated so that large, vigorous and finely flavored mushrooms are reproduced. The standard and best.

1 brick (about 1 1/4 lbs.), 35c; 3 bricks, \$1.00. Postage additional.

MAG-O-TITE will protect your **Kale, Cabbage, Cauliflower, Radishes, Turnips and Onions** against **Root Maggots**.

MUSTARD

Cultural Directions. The seed is used as a condiment and the green leaves are used for salad or greens. Sow the seed early in spring, one-half inch deep, in drills eighteen inches apart. Thin the plants to six inches apart. For succession sow at intervals of two or three weeks until fall. Water freely.

Southern Giant Curled Mustard

Large light green leaves tinged with yellow, crimped and frilled at edges. Hardy and of good quality. Pkt., 10c; Oz., 15c

White English Mustard

Comparatively small dark green leaves deeply cut. Mild and tender when young. Seed large and light yellow. Pkt., 10c; Oz., 15c, postpaid.

ONIONS

Cultural Directions. Onions require a very rich soil in a perfect state of cultivation. Sow the seed thinly, one-half inch deep, in rows twelve to sixteen inches apart. Thin the plants to two inches apart and later thin to three to four inches. Cultivate frequently and thoroughly. Weeds in the rows must be removed by hand. One ounce of seed to one hundred feet of drill; three pounds per acre.

AILSA CRAIG ONION

A recent English introduction which has proved extremely successful in this country. It is one of the largest onions grown, often weighing two pounds. The skin is dark straw color; the flesh pure white, tender and very mild.

Pkt., 10c; Oz., 25c; Lb., \$3.00. Postpaid.

Victoria Cross Onion

Another new English variety. It grows to immense size, is nearly globular in form, the skin is light yellow, and the flesh white, mild and tender.

Pkt., 10c; Oz., 30c; Lb., \$3.50. Postpaid.

Prizetaker Onion

A popular variety, very large, globe shaped. It is a heavy yielder and good keeper, making it a good market variety. The skin is light yellow and the flesh white and mild.

Pkt., 10c; Oz., 30c; Lb., \$2.75. Postpaid.

Yellow Globe Danvers Onion

The most generally grown main crop onion for both home and market. It is of medium size; the skin is yellow and the flesh is creamy white, mild and of excellent flavor. The bulbs are globe shaped, with small neck, and ripen evenly. It is a good keeper and excellent shipper.

Pkt., 10c; Oz., 30c; Lb., \$2.50. Postpaid.

Oregon Yellow Danvers Onion

Similar to Yellow Globe Danvers except in shape, which is flattened. It is very popular on the Pacific Coast on account of its size, hardiness, productiveness and fine quality.

Pkt., 10c; Oz., 30c; Lb., \$2.75. Postpaid.

Large Red Wethersfield Onion

The most popular red onion. Very large, flattened, and of a purplish red color. The flesh is white and of good flavor; firm, and a good keeper and shipper.

Pkt., 10c; Oz., 30c; Lb., \$3.00. Postpaid.

White Portugal Onion

A standard medium early white onion. The bulb is flattened on the bottom; skin clear white; flesh firm and of mild flavor. It is a great favorite for both mature onions and green onions, also for white onion sets.

Pkt., 10c; Oz., 30c; Lb., \$2.75. Postpaid.



Ailsa Craig Onion

Southport White Globe Onion

A very handsome, pure white, globular shaped onion of good size. The flesh is firm, fine grained and mild. It is much grown for green onions on account of the pure white color.

Pkt., 10c; Oz., 30c; Lb., \$3.00. Postpaid.

Southport Yellow Globe Onion

Very similar to Southport White Globe except that the bulbs are rich yellow, slightly larger and later maturing.

Pkt., 10c; Oz., 35c; Lb., \$3.50. Postpaid.

Southport Red Globe

An excellent main crop variety producing bulbs of medium to large size, with very small neck and beautiful deep purplish red color. The flesh is white tinged with light purple, mild, very fine grained and tender.

Pkt., 10c; Oz., 35c; Lb., \$3.50. Postpaid.

Extra Early Red Flat Onion

The earliest of the red varieties, very hardy, firm, and a good keeper. The bulbs are of medium size, flat, and of a rich purplish red color. The flesh is white slightly tinged with purple, and is moderately strong flavored.

Pkt., 10c; Oz., 25c; Lb., \$2.50. Postpaid.

Australian Brown Onion

An early and very hardy brown onion of medium size. Nearly round, with thick, rich brown skin, and a good keeper. The flesh is white, crisp, solid, and of mild flavor.

Pkt., 10c; Oz., 20c; Lb., \$2.00. Postpaid.

Queen Onion

A very early white onion used for pickling and for green onions. As used for pickling the bulbs are very small and nearly round; if allowed to mature they are about two inches in diameter and are flattened. The flesh is mild and of fine flavor.

Pkt., 10c; Oz., 50c; Lb., \$5.00. Postpaid.

ONION SETS

Cultural Directions. Onion sets are very small onions, produced by sowing onion seed very thickly, and are generally used for growing early green onions. They will produce bulbs if left to mature, but for that purpose it is better to sow the seed. The best sets are those which are quite small, uniform in size, and are well ripened. The soil should be very rich and in good condition. Plant the sets very early in spring, two inches apart in rows twelve inches apart, with the tops just below the surface.

Bottom Sets

Fine, small, uniform, well ripened sets of Yellow Danvers and White Portugal varieties.

1 lb., 25c; 10 lbs., \$2.00. Postage additional.

Prices on larger quantities are subject to market fluctuations, and will be quoted on request.

Shallots
A variety of multiplier onion, coming up year after year without replanting. Very prolific, and fine for pickling.

1 lb., 35c; 10 lbs., \$3.00. Postage additional.



**Hollow Crown Parsnip**

Cultural Directions. Parsnips do well on any rich, deep, mellow soil. Fresh stable manure is apt to make the roots coarse and ill-shaped, and for that reason commercial fertilizer is better. The seed is slow to germinate. Sow early in spring, one-half inch deep, in drills eighteen inches apart. Thin the plants to four to six inches apart. They are improved by frost, and in this locality are left in the ground during the winter until wanted for use. They are very productive, and are splendid for stock food. One ounce of seed is sufficient for two hundred feet of drill.

Hollow Crown Parsnip

The most popular variety for both table and stock feeding. The roots are long, with smooth, white skin, uniform in shape, tender, and of the best quality.

Pkt., 10c; Oz., 20c; Lb., \$1.25. Postpaid.

PARSLEY

Cultural Directions. The seed is very slow to germinate, and it is well to mix a few radish seeds with it to mark the rows for cultivation. The seed should be sown in rich, mellow soil, very early in spring, in drills one to two feet apart, covering less than one-half inch with fine soil firmly pressed down. The plants should be thinned to about eight inches apart. The tops may be cut off and new leaves of fine quality will be thrown out.

Crested Gem Parsley

A dwarf, compact plant with beautiful, fine, closely cut foliage; splendid for garnishing and table decoration.

Pkt., 10c; Oz., 30c. Postpaid.

Extra Triple Curled Parsley

Very finely curled and of beautiful dark green color. The plant is dwarf.

Pkt., 10c; Oz., 20c. Postpaid.

Champion Moss Curled Parsley

A very attractive and popular variety. The plant is vigorous, compact, handsome, and excellent for garnishing and flavoring. The leaves are very finely cut and so closely curled as to resemble bunches of moss.

Pkt., 10c; Oz., 20c. Postpaid.

Plain Parsley

The leaves are dark green, flat, deeply cut but not curled, and are used for flavoring soups and stews and for drying.

Pkt., 10c; Oz., 15c. Postpaid.

Turnip Rooted Parsley

The roots resembling small parsnips, are the edible portion of this variety, and are esteemed for flavoring soups, stews, etc.

Pkt., 10c; Oz., 20c. Postpaid.



SEEDS ARE TESTED AND THOROUGHLY RELIABLE. There may be cheaper seeds, but none better, and the best are cheapest in the end.

**PUMPKIN**

Cultural Directions. The seed should not be planted until danger of frost is past in spring. For garden culture of the small varieties, hills may be made six to eight feet apart each way, planting six to ten seeds in each hill and thinning the plants to about three of the best when danger of damage by insects is past. The larger varieties require more room.

Sugar or Sweet Pie Pumpkin

Small, but very sweet, fine grained and of the best quality. Unequalled for pies.

Pkt., 10c; Oz., 20c; Lb., \$1.25.

Winter Luxury Pumpkin

One of the best pie pumpkins. Of medium size, nearly round; russet yellow. Flesh light yellow and very thick.

Pkt., 10c; Oz., 20c; Lb., \$1.25; postpaid.

Connecticut Field Pumpkin

The popular large, yellow variety. Very vigorous and productive.

Pkt., 10c; Oz., 15c; Lb., \$1.00; postpaid.

Mammoth Tours Pumpkin

Very large; oval; deeply ribbed; skin greenish yellow; flesh thick and deep yellow.

Pkt., 10c; Oz., 15c; Lb., \$1.00.

White Cushaw Pumpkin

A large, white, crookneck variety of excellent quality; fine for pies.

Pkt., 10c; Oz., 20c; Lb., \$1.00. Postpaid.

Mammoth Golden Cushaw Pumpkin

A golden yellow crookneck pumpkin; very large; with small cavity; thick flesh of fine quality; excellent for either pies or stock.

Pkt., 10c; Oz., 20c; Lb., \$1.00. Postpaid.

King of Mammoth Pumpkin

Globe shaped, golden yellow, and of good quality considering its immense size. The flesh is deep yellow, very thick, firm, fine grained and sweet.

Pkt., 10c; Oz., 20c; Lb., \$1.75. Postpaid.



Gradus Pea

Little Gem Pea

An old favorite dwarf, wrinkled variety. The vines grow about eighteen inches high and are very productive. Peas medium size and of good quality. Medium early.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Premium Gem Pea

An improvement over Little Gem; earlier and larger. Bears a long time and stays tender longer than most peas.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Improved Stratagem Pea

One of the best of the large podded semi-dwarf main crop varieties. The vines are about two and one-half feet high. The pods are large and are uniformly filled with very large dark green peas of fine quality.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Nott's Excelsior Pea

A very prolific early pea. The vines grow only about fourteen inches high; pods about three inches long, well filled with medium sized, green, wrinkled peas, sweet and of excellent flavor.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Yorkshire Hero Pea

Plants grow about two and one-half feet high, bearing near the top rather broad pods about three inches long filled with large wrinkled and flattened peas of fine quality. Second early.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Tall Telephone Pea

The standard late variety with market gardeners. The vines grow five to six feet high and produce immense crops of very large pods filled with large, sweet, tender peas of fine quality.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

PEAS

Cultural Directions. For early peas, sow very early in spring; they are sometimes sown in fall. The seed should be sown one to two inches apart in rows two to three feet apart, covering two to three inches deep; deeper when sown in fall. For succession, sow at intervals of about two weeks until the middle of June. The tall varieties must be supported by stakes, brush, or a trellis of some kind. One pound of seed is sufficient for about fifty feet of drill.

GRADUS PEAS

One of the very best early, wrinkled peas; very nearly as early as the small, smooth, extra early varieties, and equal to the late varieties in quality. The vines grow about three feet high, are hardy, vigorous, and very productive. The peas are large, wrinkled, very sweet and of the finest flavor.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Langport Pea

A new English variety, growing about four feet high, producing an abundance of peas very similar in form and quality to Gradus, but not quite so early.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; Lb., 40c. Postage additional.

Beauty Pea

A very early, hardy variety, recommended for fall planting. The plant grows about three feet high and bears in pairs large, deep green, dimpled, round, marrowfat peas of excellent flavor.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; Lb., 40c. Postage additional.

Thomas Laxton Pea

An exceptionally fine, early, wrinkled pea, growing about three feet high, very similar to Gradus in every way except that the vines are a darker green and the pods are square at the ends.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Alaska Peas

A very early, smooth, round, medium sized pea, maturing its crop all at one time, and for that reason a favorite with canners. Vines grow about two and one-half feet high.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Blue Bantam Pea

A new, early, dwarf pea bearing an abundance of long, deep green pods well filled with large, sweet, tender peas of good quality.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

American Wonder Pea

A very early, dwarf, wrinkled variety. The vines grow only about one foot high, and produce a good crop of well filled pods of medium size. The peas are large, sweet, tender and well flavored.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Dwarf Telephone Pea

A popular late, dwarf pea, growing about two feet high and producing a good crop of good sized wrinkled peas of fine quality.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 30c. Postage additional.

Laxtonian Pea

An excellent dwarf variety, growing about two feet high and producing abundantly dark green pods about four inches long filled with large light green, wrinkled peas, flattened and irregular in shape. Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Lincoln Pea

An excellent dwarf main crop variety growing about two feet high. The pods are of medium size and are filled with good sized wrinkled peas, very sweet and of good quality.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Alderman Pea

A splendid early main crop pea of the Telephone type. The vines are tall growing, five to six feet, vigorous and very productive. The pods are of large size and well filled. The peas are very large and unsurpassed in quality.

Pkt., 10c; $\frac{1}{2}$ lb., 15c; Lb., 25c. Postage additional.

Melting Sugar Edible Pod Pea

The pods are used when half grown and cooked in the same way as snap beans. The pods are very large, and when young are stringless, very tender and finely flavored. The plants grow four to five feet high.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; Lb., 40c. Postage additional.

SNOWDROP PEA

An English variety, new to this locality, but grown successfully for several years on the Pacific Coast. It is early, grows about four feet high, and the large, blunt pods contain seven or eight large wrinkled peas of excellent quality.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; Lb., 40c. Postage additional.

UNION JACK PEA

Another English variety which has been tried and found worthy on the Coast. It is a dwarf main crop pea, growing about three feet high, and producing a very heavy crop of dark green, curved and pointed pods well filled with large, dark green, very sweet peas.

Pkt., 10c; $\frac{1}{2}$ lb., 25c; Lb., 40c. Postage additional.



Icicle Radish

A splendid radish for either home or market for summer use. The roots are seven to eight inches long and one and one-quarter inch in diameter when mature. The color is bright scarlet-rose shading to white at the tip.

Pkt., 10c; Oz., 15c; $\frac{1}{4}$ lb., 40c. Postpaid.

White Strasburg Radish

One of the best large, white, late summer varieties for the home garden or market. May be used when quite small and continues in good condition until matured, when the roots are four to six inches long and one and one-half to two inches in diameter.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 60c. Postpaid.

California Mammoth White China Radish

A very large winter radish, sometimes growing eighteen inches long. Pure white, very solid, crisp and tender; decidedly pungent but well flavored. Keeps well through the winter.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 60c. Postpaid.

China Rose Winter Radish

A winter radish growing four to five inches long, one and one-half inches in diameter, and largest at the bottom. The skin is bright rose color. The flesh is white, firm, crisp and tender.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 60c. Postpaid.

Round Black Spanish Radish

The roots are round or top-shaped, three or four inches in diameter. The skin is black. The flesh is white, very solid, decidedly pungent but well flavored. It keeps well through the winter.

Pkt., 10c; Oz., 20c. Postpaid.

Long Black Spanish Radish

One of the largest and hardest of winter radishes. The roots grow seven to nine inches long and two to three inches in diameter, and are almost black. The flesh is white, firm, pungent and of good flavor.

Pkt., 10c; Oz., 20c. Postpaid.

Sakurajima Radish

The mammoth radish of Japan, the largest in cultivation, often weighing twenty to thirty pounds. The flesh is very solid, firm and brittle. Can be eaten raw or cooked as a vegetable. Can be transplanted or grown where the seed is sown. If sown in the fall it will mature the following summer; if sown in spring it reaches maturity for winter use.

Pkt., 10c; Oz., 25c. Postpaid.

There is a lot of satisfaction in growing a garden that is better than your neighbors. Use INVICTA SEEDS and INVICTA FERTILIZERS.

Backaches in the garden can be avoided by using Planet, Jr., Garden Implements. Gardening is a pleasure when proper tools are provided.

RADISH

Cultural Directions. Radishes do best on a rich, light soil, and should be grown quickly to make them crisp and tender. A light application of Nitrate of Soda will do wonders in this respect. Sow the seed very early in spring, one-half inch deep, in drills twelve to sixteen inches apart. Sow at intervals of one to two weeks for succession. Thin plants to about two inches apart. Seed for winter radishes should be sown in August or September.

Radishes are very subject to Root Maggots. Until recently there was no practical cure for these pests and their depredations became so serious that many gardeners gave up trying to grow radishes. This curse is now easily and effectually overcome by mixing Mag-o-tite in the soil when the seed is sown and with one or two later applications around the plants.

ICICLE RADISH

The finest and earliest long white radish. The roots when mature are five to six inches long and about one-half inch in diameter. It is of beautiful transparent white color, is extremely crisp and brittle, and remains tender for a long time.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 50c. Postpaid.

CRIMSON GIANT RADISH

A splendid early, round, red radish; very early and growing twice the size of other early varieties without becoming pithy or tough. It is of the finest quality and remains in condition a remarkably long time.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 50c. Postpaid.

Red Cap Radish

A very early radish of the turnip-shaped type; bright red with an attractive white tip. Equally good for forcing or early outdoor culture. Very tender and crisp and of fine flavor.

Pkt., 10c; Oz., 35c; $\frac{1}{4}$ lb., 75c. Postpaid.

Early Scarlet Turnip Radish

A small, early, red, round radish, popular with market gardeners for early planting outdoors. It is of very quick growth, and the flesh is white, crisp and tender.

Pkt., 10c; Oz., 15c; $\frac{1}{4}$ lb., 50c. Postpaid.

Early Scarlet Turnip White Tipped Radish

Very early, and a great favorite for forcing and early outdoor culture. The color is a beautiful bright scarlet with the lower quarter white. Very attractive and of good quality.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 50c. Postpaid.

Early White Turnip Radish

An early, white, turnip-shaped radish, slightly flattened. The roots are about one inch in diameter when mature. The tops are very small. The flesh is pure white, crisp and tender. Generally used for early outdoor culture, but also suitable for forcing.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 50c. Postpaid.

French Breakfast Radish

A quick growing, small, olive-shaped radish. It is a favorite for the home garden, and the small tops make it desirable for growing under glass. The color is deep rose-scarlet except a little white at the tip.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 50c. Postpaid.

Early Long Scarlet Radish

A standard and excellent variety for either the home garden or market. The tops are short. The roots are smooth, slender, uniform in shape and are a very attractive bright carmine-red color. They are crisp and tender until fully matured, when they are about six inches long.

Pkt., 10c; Oz., 15c; $\frac{1}{4}$ lb., 50c. Postpaid.

Long Brightest Scarlet White Tipped Radish

The brightest and handsomest of scarlet radishes. It is very early and is used for either garden culture or forcing. The tip is pure white. It is of fine quality and remains in good condition until fully grown.

Pkt., 10c; Oz., 15c; $\frac{1}{4}$ lb., 50c. Postpaid.

Half Long Scarlet Radish

A very desirable early variety with half long roots of a deep, rich red color. The flesh is very white, crisp and tender.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 60c. Postpaid.

Improved Chartier Radish

A splendid radish for either home or market for summer use. The roots are seven to eight inches long and one and one-quarter inch in diameter when mature. The color is bright scarlet-rose shading to white at the tip.

Pkt., 10c; Oz., 15c; $\frac{1}{4}$ lb., 40c. Postpaid.

White Strasburg Radish

One of the best large, white, late summer varieties for the home garden or market. May be used when quite small and continues in good condition until matured, when the roots are four to six inches long and one and one-half to two inches in diameter.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 60c. Postpaid.

California Mammoth White China Radish

A very large winter radish, sometimes growing eighteen inches long. Pure white, very solid, crisp and tender; decidedly pungent but well flavored. Keeps well through the winter.

Pkt., 10c; Oz., 20c; $\frac{1}{4}$ lb., 60c. Postpaid.

Round Black Spanish Radish

The roots are round or top-shaped, three or four inches in diameter. The skin is black. The flesh is white, very solid, decidedly pungent but well flavored. It keeps well through the winter.

Pkt., 10c; Oz., 20c. Postpaid.

Long Black Spanish Radish

One of the largest and hardest of winter radishes. The roots grow seven to nine inches long and two to three inches in diameter, and are almost black. The flesh is white, firm, pungent and of good flavor.

Pkt., 10c; Oz., 20c. Postpaid.

Sakurajima Radish

The mammoth radish of Japan, the largest in cultivation, often weighing twenty to thirty pounds. The flesh is very solid, firm and brittle. Can be eaten raw or cooked as a vegetable. Can be transplanted or grown where the seed is sown. If sown in the fall it will mature the following summer; if sown in spring it reaches maturity for winter use.

Pkt., 10c; Oz., 25c. Postpaid.

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PROJECTS

Radishes, Turnips, Onions, Cabbage, Cauliflower and Kale against the ravages of

ROOT MAGGOTS

Alderwood Manor, Wash, Oct. 16, 1920.
Randall-McLoughlin,
Seattle.

Gentlemen:

I feel it is a duty I owe—not so much to you as to my fellow gardeners—to tell you of my experience with Mag-o-tite the past season.

For several years I have been unable to grow turnips, ruta-bagas, radishes, onions, cauliflower, cabbage or kale successfully on account of the root maggots.

The past season I used Mag-o-tite, and had splendid success.

I am planning my crops for next season, and I feel it will not be a doubtful experiment, but am absolutely certain of raising whatever I plant.

My experience is to use freely.

A 35c package will do the job in a back-yard garden, but it pays to buy in 100 lb. sacks if you raise crops to sell.

I feel sincerely grateful to you for your having made it possible to grow these crops once more.

Very truly yours,
ERWIN C. CHASE.

RHUBARB

Cultural Directions. Rhubarb, also known as Pie Plant and Wine Plant, is the earliest spring vegetable and is grown for its leaf stalks, which are used for pies and sauce. It does best in rich, deep, rather heavy soil. Sow the seed in spring, one inch deep, in drills. Thin the plants to six inches apart. The following fall, transplant in soil which is very deeply stirred and highly fertilized, four feet apart each way. The stalks should not be plucked until the second year. Break off all seed stalks as soon as they appear.

MAMMOTH VICTORIA RHUBARB

A favorite standard variety; very large, thick, red stalks of the finest quality.
Pkt., 10c; Oz., 15c. Postpaid.

Crimson Winter Rhubarb

This is an extremely early variety, and is best for forcing. It produces small, bright crimson stems very early and continues until late.
Pkt., 10c; Oz., 80c. Postpaid.

Rhubarb Plants are listed in Vegetable Plants Section.

SALSIFY OR OYSTER PLANT

Cultural Directions. Culture is the same as for parsnips. It is very hardy, and may be left in the ground all winter in this locality, but should be dug early in spring.

Mammoth Sandwich Island Salsify

A very desirable winter vegetable, and should be more generally grown. The roots when cooked are very palatable and nutritious, and have a flavor similar to oysters. This is the most popular variety. The roots are long, smooth and white.

Pkt., 10c; Oz., 30c. Postpaid.



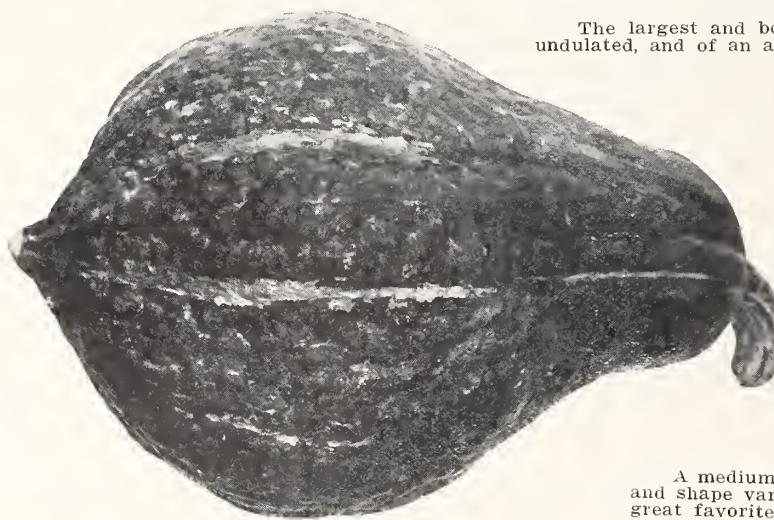
Mammoth Victoria Rhubarb

SWISS CHARD, SPINACH BEET, OR SEA KALE BEET

Cultural Directions. Swiss Chard is a variety of beet, the edible portion of which is the leaves, which are served like spinach, or the midribs are prepared like asparagus. The seed is sown early in spring the same as beets. The tops are cut off a little above the surface of the ground, and will sprout up again. They will produce another crop early in spring, but will soon go to seed, so that seed must be sown each spring.

Giant Lucullus Swiss Chard

The largest and best variety of Swiss Chard. The leaves are large, broad, undulated, and of an attractive yellowish green color, with large, white midribs.
Pkt., 10c; Oz., 20c; Lb., \$1.50; postpaid.



Hubbard Squash

Yellow Summer Crookneck Squash

The well known standard, early, vine variety, producing bright yellow, densely warted squashes about one foot long with a crooked neck.

Pkt., 10c; Oz., 15c; Lb., \$1.35. Postpaid.

Mammoth White Bush Scallop Squash

An early bush variety of large size, flattened, with edges scalloped. The color is creamy white. The vines are vigorous and very productive.

Pkt., 10c; Oz., 15c; Lb., \$1.35. Postpaid.

Boston Marrow Squash

A very productive fall and winter variety of medium to large size. The fruits are oval shape, bright orange color. The flesh is salmon-yellow, fine grained and of excellent flavor.

Pkt., 10c; Oz., 15c; Lb., \$1.35. Postpaid.

Sibley or Pike's Peak Squash

A very large winter squash. Thin skinned, very solid, and a good shipper. Skin pale green; flesh deep orange, fine grained and of good flavor.

Pkt., 10c; Oz., 20c; Lb., \$1.50. Postpaid.

SQUASH

Cultural Directions. Do not plant the seed until weather is settled and warm. Prepare the hills by mixing with the soil a generous amount of well rotted stable manure or commercial fertilizer. For the bush varieties make the hills three to four feet apart each way; for the vine varieties, eight to ten feet apart. Eight or ten seeds should be sown in each hill, thinning the plants to three of the best after danger of insect pests is past.

HUBBARD SQUASH

The old favorite, and considered the finest of all winter squashes. The vines are very vigorous and productive. The fruits are large, with very hard, warty, dark green shell. The flesh is orange-yellow, fine grained, thick, dry and of very rich flavor. Can be kept in good condition until spring.

Pkt., 10c; Oz., 20c; Lb., \$1.50. Postpaid.

Delicata Squash

A medium sized fall and winter variety. It is a hybrid, and the color and shape varies somewhat, but it is uniformly of fine quality and is a great favorite for the home garden.

Pkt., 10c; Oz., 20c; Lb., \$1.75. Postpaid.

Golden Hubbard Squash

Similar to Hubbard in shape, but earlier, not so large, and the color is rich orange-red. The flesh is deep orange and of good quality.

Pkt., 10c; Oz., 20c; Lb., \$1.50; postpaid.

Mammoth Chili Squash

An extremely large variety, of special value for stock feeding. The fruit is oblong, flattened at the ends; the skin is smooth and of rich orange-yellow color; and the flesh is fine grained and sweet.

Pkt., 10c; Oz., 20c; Lb., \$1.75; postpaid.

Long White Vegetable Marrow

The Marrow Squashes are largely grown in England, and should be more generally used in this country. They are at their best when about half grown. They may be cooked like other squash, or may be fried, in which manner they are superior to Egg Plant.

Pkt., 10c; Oz., 15c; Lb., \$1.50; postpaid.

Long Green Vegetable Marrow

A splendid bush variety of English Vegetable Marrow. The fruits are long and slim with green striped skin, and the flesh is of the finest quality.

Pkt., 10c; Oz., 20c; Lb., \$1.75; postpaid.

SPINACH

Cultural Directions. The soil for spinach should be very rich, and thin the young plants to four inches apart. For spring and early summer use sow the seed very early in spring; for winter and early spring use sow early in fall. One ounce of seed is sufficient for one hundred feet of drill; ten pounds for an acre.

VICTORIA SPINACH

A very popular variety, fit for use nearly as early as any, and remaining in good condition much longer than most others. The plant is large and compact; the leaves very large and thick, dark green and slightly crumpled in the center. Fine for spring sowing. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

Savoy Leaved Bloomsdale Spinach

A very early, hardy variety; one of the best for fall planting. The plant is of upright growth, with thick, glossy, dark green, pointed leaves, crumpled or blistered. Tender and of fine quality. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

Longstanding Spinach

A comparatively late variety, but remaining a long time in condition for use. The plant is very large, with large, smooth, dark green leaves. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.



Spark's Earliana Tomato

Ponderosa Tomato

A very large late tomato of fine quality. The color is purplish pink. The fruits are very solid, smooth, and have exceptionally few seeds. The vines are vigorous and very productive. Pkt., 10c; oz., 45c; postpaid.

Yellow Pear Tomato

Used for preserves and to make tomato figs. The fruits are very small, distinctly pear shaped, and the color is rich yellow. Pkt., 10c; oz., 55c; postpaid.

Sow the seed one-half inch deep in drills eighteen inches apart, for one hundred feet of drill; ten pounds for an acre.

NEW ZEALAND SPINACH

A distinct type of spinach, and unlike other spinach, it thrives during hot weather. The plant is very large and branching, and the seed should be sown in hills not less than two feet apart each way, three or four seeds in each hill. The seed is very hard, and should be soaked in warm water for several hours to aid germination. It should not be sown until the weather has become settled and warm in spring. Pick off the tender shoots as wanted during the summer. The plants will throw out new growth, yielding delicious greens until killed by frost.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.00

Thick Leaved Improved Spinach

A medium early, rapid growing variety, forming large, thick, slightly crumpled, deep green leaves of good quality.

Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

Prickley Winter Spinach

A late, hardy variety, usually sown in fall for winter use. Very long standing. Leaves of medium size, thick, and darkgreen. Oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c; postpaid.

TOMATO

Cultural directions. Plants should be started in a hotbed or in boxes or pots in the house in February or early March, and should not be set outdoors until the weather is settled and warm. If they are to be pruned, they may be set two feet apart in rows three to four feet apart, otherwise they should be set about four feet apart each way. All conditions must be of the very best to grow tomatoes successfully west of the Cascade Mountains.

SPARK'S EARLIANA TOMATO

Extremely early, and the standard tomato in the Northwest. The vines are small but vigorous and productive. The fruits are of good size, nearly round, and smoother than other early varieties. They are borne in clusters near the base of the plant.

Pkt., 10c; oz., 40c; postpaid.

John Baer Tomato

A new variety, largest of the extra early sorts. The fruits are nearly round, smooth, firm, and of fine quality. The vines are very hardy and exceptionally productive.

Pkt., 10c; oz., 50c; postpaid.

Golden Queen Tomato

A very early tomato of good size and fine quality. The fruits are bright golden-yellow, sometimes with a slight blush of red. They are smooth, well shaped, solid, and of fine flavor.

Pkt., 10c; oz., 50c; postpaid.

Dwarf Champion Tomato

The vines grow only about two feet high, are vigorous, upright and compact. It is a second early or main crop variety. The fruits are purplish pink, of medium size, smooth and of good quality.

Pkt., 10c; oz., 45c; postpaid.

Early Michigan Tomato

A second early, bright red tomato of fine quality. The vines are vigorous and productive. The fruits are of medium size, smooth, and very attractive.

Pkt., 10c; oz., 40c; postpaid.

Acme Tomato

A good second early variety for the home garden. The vines are large, hardy and productive, ripening first fruits early and continuing for a long time. The fruits are purplish pink, round, smooth and of medium size.

Pkt., 10c; oz., 40c; postpaid.

Atlantic Prize Tomato

One of the old, well known varieties. Early, of good size, smooth, bright red, and of good quality.

Pkt., 10c; oz., 40c; postpaid.

Chalk's Early Jewell Tomato

One of the best early tomatoes. The vines are vigorous and very productive. The fruits are large, nearly round, somewhat flattened, bright scarlet, and of fine quality. They ripen early and continue through a long season.

Pkt., 10c; oz., 40c; postpaid.

New Stone Tomato

A fine, large, main crop or late tomato. The vines are large, vigorous and very productive. The fruits are deep scarlet, oval, exceptionally smooth and uniform in size; very solid and firm, a good shipper and a favorite with canners.

Pkt., 10c; oz., 40c; postpaid.

Yellow Cherry Tomato

The fruits are less than three-quarters of an inch in diameter, perfectly round and smooth, and of a bright yellow color. Used for preserves and pickles.

Pkt., 10c; oz., 55c; postpaid.

Ground Cherry or Husk Tomato

The vines are low and spreading; the fruits only about one-half inch in diameter and enclosed in a loose husk. Very sweet and of mild flavor. Used for preserves.

Pkt., 10c; oz., 40c; postpaid.

IF IT IS BRANDED



IT IS DEPENDABLE

TURNIP

Cultural directions. For summer use, sow seed of the early varieties very early in spring, one-half inch deep, in drills about eighteen inches apart. As soon as the plants are large enough thin them to about four inches apart. This is important, for crowding will result in tough and poorly flavored turnips. For succession sow later varieties or make later sowings. The soil should be very rich and preferably light, as the soil and quickness of growth have much to do with the quality. Fresh stable manure should not be used. Commercial fertilizers are better for this purpose. For winter use, seed of the late varieties may be sown in July or as late as the last of August.

Turnips are very liable to be attacked by root maggots, which often destroy the entire crop, but these are easily and effectually overcome by applying Mag-o-tite.

EARLY SNOWBALL TURNIP

This is the finest early white turnip. It is very early; the bulbs are rather small, nearly globular, smooth, pure white, tender, sweet and of the most delicious flavor.

Pkt., 10c; oz., 20c; lb., \$1.25; postpaid.

Early White Milan Turnip

A remarkably early variety. The roots are flattened, clear white and smooth. The flesh is white, mild, sweet and tender.

Pkt., 10c; oz., 20c; lb., \$1.50; postpaid.

Early Purple Top Milan Turnip

Similar to Early White Milan except that the roots are a little flatter and are an attractive purple-red on the upper portion. The flesh is white and of fine quality.

Pkt., 10c; oz., 20c; lb., \$1.75; postpaid.

Orange Jelly or Golden Ball Turnip

The most delicately flavored of the yellow fleshed turnips. It is of quick growth, and is adapted to either spring or fall sowing. It keeps exceptionally well. The roots are of medium size, round, very smooth, and the skin is deep yellow. The flesh is firm, crisp, and of excellent quality.

Pkt., 10c; oz., 15c; lb., \$1.25; postpaid.

Petrowski Turnip

A new yellow turnip originating in Finland and first introduced in Alaska, where it is extremely popular. It is of medium to large size, nearly round, medium early but an excellent keeper. It has a distinctive, flat, drooping top. The flesh is yellow, tender, and of good flavor.

Pkt., 10c; oz., 15c; lb., \$1.00; postpaid.

Early White Flat Dutch Turnip

An early, medium sized, flat, white turnip of good quality. The flesh is very white, fine grained and sweet.

Pkt., 10c; oz., 15c; lb., \$1.00; postpaid.

White Egg Turnip

An early, white, smooth, oval or egg-shaped turnip, growing half out of the ground. The flesh is clear white, firm, fine grained and sweet.

Pkt., 10c; oz., 20c; lb., \$1.25; postpaid.

RUTA BAGA OR SWEDISH TURNIP

Cultural directions. The culture of Ruta Bagas is practically the same as Turnips. They are larger, firmer, require a longer season for maturing, and are generally grown for winter use. They are very productive, excellent keepers, and are very valuable for stock feeding. The seed should be sown early in July, in drills eighteen to twenty-four inches apart, and the plants should be thinned to at least six inches apart. They are subject to root maggots, the same as turnips, and Mag-o-tite should be used.

American Purple Top Improved Ruta Baga

Excellent for both table use and stock feeding. It grows very large, is uniform in shape, and is a splendid keeper. The flesh is a beautiful yellow color, fine grained, sweet and tender.

Pkt., 10c; oz., 15c; lb., \$1.20; postpaid.

Skirving's Purple Top Ruta Baga

Very similar to American Purple Top; very large; round or top-shaped; and of fine quality.

Pkt., 10c; oz., 15c; lb., \$1.20; postpaid.

Port Blakely, Wash., Oct. 1, 1920.

Randall-McLoughlin,
Seattle

Sirs:—

Having given a fair and complete trial to your preparation called Mag-o-tite, I wish to tell you the results. Last spring I took over a piece of property and started to set cabbage plants, when my neighbors told me the ground was so full of maggots and cut worms that it was impossible to grow anything, so I bought a package of Mag-o-tite and used it freely in the soil around the plants, and lost no plants from worms. Later in the season I sprinkled Mag-o-tite on the heads and found it a preventive of slugs. I shall certainly use Mag-o-tite hereafter, and I shall recommend it to all my friends and neighbors, for I have complete faith in it.

Yours truly,

JOHN EDWARD SANDS.



Snowball Turnip

Purple Top White Globe Turnip

An excellent table turnip of good size and globular form. The flesh is white, fine grained and tender. It is a good keeper, and is also used for stock feeding.

Pkt., 10c; oz., 15c; lb., \$1.25; postpaid.

Purple Top Strap Leaf Turnip

An old, early, flat turnip of medium size, used both for table and stock feeding. The flesh is white and of good quality.

Pkt., 10c; oz., 15c; lb., \$1.00; postpaid.

Yellow Aberdeen Turnip

A late maturing, long keeping yellow turnip of medium to large size and globular form. The flesh is pale yellow, very firm, tender and sweet. Very productive and valuable for stock feeding.

Pkt., 10c; oz., 15c; lb., \$1.25; postpaid.

Cow Horn or Long White Turnip

This variety often grows a foot long and two and one-half inches in diameter. It is splendid for stock, and excellent for table use when young.

Pkt., 10c; oz., 15c; lb., \$1.25; postpaid.

Yellow Swede Ruta Baga

Very hardy and a good keeper. The roots are large, oblong, dull reddish color above ground and yellow underneath. The flesh is of good quality.

Pkt., 10c; oz., 15c; lb., \$1.20; postpaid.

White or Sweet Russian Ruta Baga

A very desirable table or stock variety. An excellent keeper. The roots are very large, nearly globe shaped, and the color is white with a shade of green at the top. The flesh is white, very firm and sweet.

Pkt., 10c; oz., 15c; lb., \$1.20; postpaid.

TOBACCO

Cultural directions. The plants should be started in a hotbed, or in pots or boxes in the house, and transplanted outdoors, four feet apart each way, when danger of frost is past.

Connecticut Seed Leaf Tobacco

A hardy variety adapted to this locality. The leaves are of good width and length, and are used for cigar wrappers.

Pkt., 10c; oz., 50c; postpaid.

Havana Tobacco

A choice variety. The leaf is very thin and of fine texture. This variety is much used for cigar wrappers.

Pkt., 10c; oz., 60c; postpaid.



SEED POTATOES

PRIDE OF MULTNOMAH. One of the newer varieties that has become popular. The tubers are of the ideal elongated type, uniform in size and shape; smooth; with thin, white skin and white flesh of fine quality. Immensely productive.

IRISH COBBLER. A very popular extra early variety. A handsome white potato, nearly round, large, and of uniform size and shape. The skin is creamy white, sometimes netted, flesh white and of finest quality.

EARLIEST OF ALL. Extremely early, similar to Irish Cobbler in shape and color. A vigorous grower and very productive; tubers smooth; eyes few and very shallow. Of fine quality.

IRISH BEAUTY. A splendid medium main crop potato, extremely productive and of fine quality. Of uniform shape and size, elongated. The skin is white; eyes few and shallow.

EARLY ROSE. The old standard extra early variety. An excellent potato if good seed can be procured. Of good size; oblong. The skin has a rosy blush; flesh white.

NETTED GEM. A splendid main crop potato that gives best results in the irrigated districts. The tubers are of fine shape, elongated, of medium size, with russet netted skin, and eyes flush with the surface. Flesh white and of finest quality.

AMERICAN WONDER. One of the best main crop varieties. A strong grower and very productive. Tubers white, large, elongated, and of uniform size and shape. Eyes few and nearly flush with the surface.

GOLD COIN. A main crop variety of hardy, vigorous growth and great productiveness. Of smooth, regular form, slightly oblong, broad and thick. Skin thin and of light golden color, more or less netted. Eyes small and shallow. Flesh white and fine grained.

BURBANK. Has long been a standard commercial variety. Late and very productive.

Price; 10 lbs or less, 6c per lb. Write for prices on larger quantities.

VEGETABLE PLANTS

CABBAGE PLANTS. Fine, healthy, sturdy plants of Early Jersey Wakefield, Copenhagen Market, Late Flat Dutch, Early Flat Dutch and Danish Ballhead.

Price, Doz. 20c; 100, \$1.35.

Write for prices on large quantities.

TOMATO PLANTS. Fine Earliana, Dwarf Champion and John Baer Tomato Plants, both pot-grown and grown in Flats.

Pot-grown Plants, Doz. 50c; 100, \$3.00.

Grown in Flats, Doz. 25c; 100, \$1.50.

Write for prices on large quantities.

CAULIFLOWER PLANTS. Early Snowball, Veitch's Autumn Giant, and Danish Dry Weather Cauliflower Plants of fine quality.

Doz. 25c; 100, \$1.75.

CELERY PLANTS. Golden Self Blanching and White Plume Celery Plants. Attractive prices to market gardeners on large quantities.

Doz. 25c; 100, \$1.50.

BRUSSELS SPROUTS. Do not fail to grow some of these. A delicious vegetable, deserving of more consideration in this locality.

Doz. 25c; 100, \$1.50.

LETTUCE PLANTS. Fine plants of the best head varieties. These are pot-grown, and will produce splendid heads in a very short time.

Doz. 20c; 100, \$1.25.

PARSLEY PLANTS. Pot-grown plants of the fine curled varieties.

Doz. 50c.

CHIVES. Large clumps that may be divided. These should have a place in every garden.

Per clump, 15c.

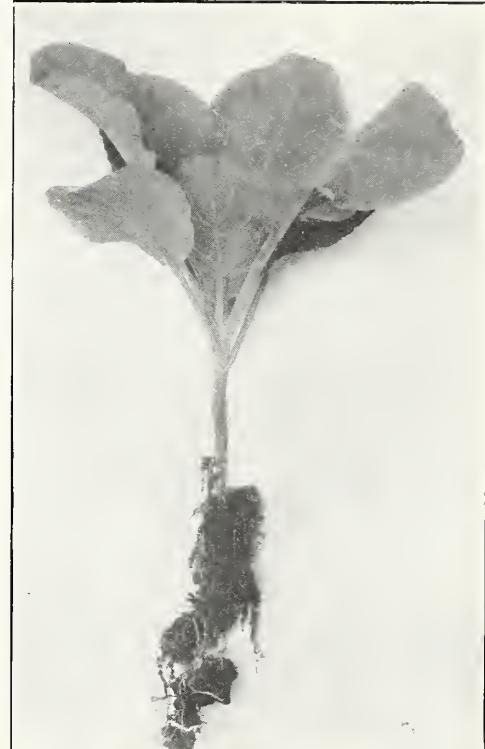
HORSERADISH ROOTS. Plant a few in a corner of your garden and you will have a permanent supply with little further care.

Doz. 30c; 100, \$1.50.

THOUSAND HEADED KALE PLANTS. To supply green food for poultry and cows.

Doz. 15c; 100, \$1.00.

We can furnish any of the above plants in almost unlimited quantities. Market gardeners and others requiring large quantities will please write for special prices.



Plants should be shipped by express when possible. It is impossible to pack them so that they will reach destination in good condition when shipped by parcel post. Prices do not include postage, express or freight charges.

YOU CANNOT GROW

CABBAGE, CAULIFLOWER, KALE, ONIONS, RADISHES,
OR TURNIPS WITH ANY DEGREE OF CERTAINTY WITHOUT THE AID OF



IT SOLVES THE PROBLEM OF

ROOT MAGGOTS

Effectively, Practically and Cheaply

| | |
|--------------|-------|
| 2-lb. Carton | \$.35 |
| 4-lb. Carton | .60 |
| 8-lb. Carton | 1.00 |
| 25-lb. Bag | 2.50 |
| 100-lb. Bag | 8.50 |

F. O. B. Seattle.

CARROLL HENDRON

Lawyer
New York Block
Seattle, Washington

September 7th, 1920.

Randall-McLoughlin,
Seattle.

Gentlemen:

It gives me great pleasure to inform you that I have successfully raised cabbage, cauliflower and onions this season in ground infected with root maggots. I lost no cabbage, cauliflower or onions where I placed Mag-o-tite around the roots of the plants and sprinkled the ground with it close to the plants, and followed this up by sprinkling Mag-o-tite at intervals, and especially after heavy rains, on the ground close to the plants.

I put Mag-o-tite around my plants perhaps three or four times after planting. I lost no onions in the bed where I followed this method, but in another bed a few feet away, where I made only one application of Mag-o-tite, the maggots destroyed most of them.

From my experience this year and last I feel certain that you can successfully raise vegetables in ground infected with root maggots if Mag-o-tite is used in the original planting and subsequent application made according to directions.

Yours truly,

CARROLL HENDRON.

FLOWER SEEDS

Carefully Selected Varieties

THE following list of flower seeds has been selected by practical florists, and great care has been taken to choose only the choicest varieties and those that are suitable for our climatic conditions. The seeds have been procured from the most reliable growers in this and foreign countries, and nothing is listed that we cannot conscientiously recommend. We wish to call our customers' attention to the fact that although some flowers are as easily grown from seeds as garden vegetables, many of them are quite difficult to get started, and amateurs should follow cultural directions closely. Most failures are on account of planting the seed too deeply, too early, or in improperly prepared soil. Many of the most pleasing and satisfactory flowers are very easy to grow, and those who have not had experience will do well to confine themselves to those varieties.

ASTERS

Asters are among the most important and satisfactory of our garden annuals, and are in bloom late in summer and fall when there is a dearth of flowers. The modern Aster is a great improvement over the old sorts, and some of them are nearly equal to Chrysanthemums in size and form.

For early flowers, seed should be sown under glass in April, and the plants set outdoors when the weather is warm. Seed may be sown in a seed bed in May and the plants transplanted to the permanent bed when two or three inches high. They should be set nine to twelve inches apart in soil that has been made very rich with bone meal or other commercial fertilizer.

AMERICAN BEAUTY ASTERS

This beautiful variety is among the grandest of all the splendid modern Asters. It is of the late Giant Branching type, growing two to two and one-half feet high. The flowers are very large and full, four to five inches in diameter, with incurved petals, and are borne on stems fifteen to twenty inches long, making them very desirable for cut flowers.

| | |
|--------------------------------------|----------------------|
| American Beauty, Lavender..... | Postpaid, Pkt., 10c. |
| American Beauty, September Pink..... | 10c. |
| American Beauty, Purple..... | 10c. |
| American Beauty, Rose..... | 10c. |
| American Beauty, Mixed Colors..... | 10c. |

CREGO GIANT ASTERS

The finest and largest of the Comet Asters, bearing immense flowers of the most graceful form with very long petals decidedly curled and twisted. They are produced in great abundance on long, strong stems, and are unsurpassed for cutting.

| | |
|--------------------------------|----------------------|
| Grego Giant, White..... | Postpaid, Pkt., 10c. |
| Grego Giant, Pink..... | 10c. |
| Grego Giant, Crimson..... | 10c. |
| Grego Giant, Azure Blue..... | 10c. |
| Grego Giant, Lavender..... | 10c. |
| Grego Giant, Rose..... | 10c. |
| Grego Giant, Purple..... | 10c. |
| Grego Giant, Mixed Colors..... | 10c. |

GIANT COMET ASTERS

This variety is also known as Ostrich Plume Aster, and is a highly developed type, with flowers of immense size, composed of long, wavy, twisted petals gracefully formed into loose, densely double, half globes.

| | |
|--------------------------------|----------------------|
| Giant Comet, White..... | Postpaid, Pkt., 10c. |
| Giant Comet, Crimson..... | 10c. |
| Giant Comet, Light Blue..... | 10c. |
| Giant Comet, Dark Blue..... | 10c. |
| Giant Comet, Rose..... | 10c. |
| Giant Comet, Mixed Colors..... | 10c. |

DWARF CROWN OR COCCARDEAU ASTERS

Bushy little plants, nine inches high, bearing large, perfectly double flowers. Fine for either garden or pot culture.

| | |
|--------------------------------|----------------------|
| Dwarf Crown, Mixed Colors..... | Postpaid, Pkt., 10c. |
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HEART OF FRANCE ASTERS

This new variety is the best pure red Aster ever introduced. Heart of France opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, with never a trace of hollow center. The plants are of branching type and very robust habit. The stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the mid-season varieties. They retain their brilliancy and luster for a longer period than almost any other color.

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| Heart of France (New), Red..... | Postpaid, Pkt., 10c. |
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MIXED ASTERS

| | |
|---|----------------------|
| All choice varieties and colors, mixed..... | Postpaid, Pkt., 10c. |
|---|----------------------|

ACHILLEA (Milfoil or Yarrow)

Hardy perennial, two feet high. Covered with heads of pure white flowers from spring until frost. Easily grown from seed.

| | |
|-------------------------------------|------------|
| Achillea Ptarmica, "The Pearl"..... | Pkt., 10c. |
|-------------------------------------|------------|

ACROCLINIUM (Everlasting)

Half-hardy annuals, fifteen inches high, bearing daisy-like flowers, the "Immortelles" so desirable for winter bouquets.

| | |
|--|------------|
| Acroclinium (Everlasting), Double, Mixed Colors..... | Pkt., 10c. |
|--|------------|

AGERATUM (Floss Flower)

A hardy annual of bushy habit, fine for beds and borders. Attractive feathery flowers borne in dense clusters.

| | |
|---|------------|
| Ageratum Mexicanum Album, White..... | Pkt., 10c. |
| Ageratum, Blue Perfection, Dark Blue..... | Pkt., 10c. |

AGROSTEMMA

A free flowering hardy perennial of easy culture, producing the first season crimson flowers resembling a single pink. The foliage is silvery white. Height, two feet.

| | |
|---------------------------|------------|
| Agrostemma Coronaria..... | Pkt., 10c. |
|---------------------------|------------|



Grego Giant Asters

ALYSSUM

Popular, free-blooming annuals, suitable for borders, baskets, pots, rockwork and for cutting. They are very hardy, and the seed may be sown in permanent bed very early in spring, or the previous fall, sowing quite thickly, to form masses. For winter bloom, indoors, sow in baskets or pots late in August, thinning the plants to about a dozen to each basket. Cut back after the first flowers fade and other will come on.

Little Gem, or Carpet of Snow. A beautiful white Alyssum for edgings, borders and rockwork. The plants grow about six inches high and are covered with a compact mass of white blooms..... Pkt., 10c.

Alyssum Benthami (Sweet Alyssum). One of the finest annuals for edging. It begins to bloom early in the season and continues until frost, and is pleasantly fragrant..... Pkt., 10c.

Lilac Queen, Alyssum Compactum Lilacinum. A distinct, very dwarf variety with delicate lavender flowers..... Pkt., 10c.

AMARANTHUS

A tender annual, thriving in a hot, sunny location, growing five feet high and bearing brilliant blood-red foliage.

Amaranthus Caudatus (Love Lies Bleeding). Pkt., 10c.

AMPELOPSIS

Ampelopsis Veitchii (Boston Ivy). A hardy perennial climber attaining a height of twenty to thirty feet from seed in two or three years. In the fall the foliage assumes the most gorgeous tints of scarlet, crimson and orange.....
Pkt., 10c.



Antirrhinum, Katherine Morse

ANTIRRHINUM (Snapdragon)

These attractive and interesting perennials bloom the first year from seed, and are generally handled as annuals. The long, showy spikes are brilliantly colored, fragrant and desirable for cutting. For early flowers, sow the seed in boxes in the house in February or March, and transplant into beds of warm, dry soil moderately enriched.

Katherine Morse. A new color and form of flower in Snapdragons. The color is soft tones of old rose and yellow. The tube is soft old rose and the face of flower yellow suffused with old rose. The top of the flower is beautifully waved. The flowers are wider than they are tall and without the face usually showing on lower petal. The plant bears a profusion of large spikes.....
Pkt., 20c.

Brilliant. Scarlet, gold and white. Two feet.....
Pkt., 10c.

Canary Bird. Light yellow. Fifteen inches.....
Pkt., 10c.

Fairy Queen. Orange-salmon, white throat. 20 in.....
Pkt., 10c.

Fire King. Scarlet and orange. Tall.....
Pkt., 10c.

Ruby. Brilliant red. Semi-dwarf.....
Pkt., 10c.

Silver Pink. Large flowered. Tall. Pink.....
Pkt., 10c.

Queen Victoria. Pure white. Tall.....
Pkt., 10c.

Venus. Pink and white. Tall.....
Pkt., 10c.

Mixed. All tall varieties and colors, mixed.....
Pkt., 10c.

Tom Thumb, Mixed. Extra choice. Dwarf. All colors.....
Pkt., 10c.

ANCHUSA

Anchusa Italica (Dropmore variety). A fine hardy herbaceous plant growing four to five feet high and bearing continuously small deep gentian blue flowers resembling Forget-me-nots.....
Pkt., 10c.

ANEMONE (Wind Flower)

Anemone Coronaria (Poppy Anemone). A free flowering hardy perennial, among the earliest of spring flowers. Grows about one foot tall. Flowers in various colors, resembling poppies.....
Pkt., 10c.

AQUILEGIA (Columbine)

Hardy perennials, easily grown from seed. A very desirable border plant, forming large clumps, blooming early, long, and abundantly. Sow the seed in spring where the plants are to grow, and thin the plants to about one foot apart. Seed sown in fall will produce blooms the following season.

Single, Mixed. Single flowers. All colors, mixed.....
Pkt., 10c.

Double, Mixed. Double flowers. All colors, mixed.....
Pkt., 10c.

ARABIS (Rock Cress)

Arabis Alpina. Among the earliest blooming plants. Used for rock work, edgings, etc. Bears a profusion of small, pure white flowers. Hardy perennial.....
Pkt., 10c.

ARCTOTIS GRANDIS (African Daisy)

A remarkably handsome annual, forming branched bushes two to three feet high, bearing a profusion of large, showy flowers, white on the upper surface and lilac-blue on the reverse side of petals. Very easily grown from seed.....
Pkt., 10c.

ASPARAGUS

Asparagus Sprengeri (Emerald Feather). A very elegant foliage plant for hanging baskets, etc.....
Pkt., 10c.

Asparagus Plumbosus (Lace Fern). A dwarf variety largely used by florists. The bright green sprays grow about three feet long and surpass the Maiden-hair Fern in grace.....
Pkt., 10c.

ASTER

Perennial Aster (Michaelmas Daisy). Hardy herbaceous plants growing about four feet high. Single flowers are produced in fall until killed by hard frost. If seed is sown early, blooms will be produced the first season. Mixed colors.....
Pkt., 10c.

BALSAM (Lady Slipper)

A well known border and bedding annual with brilliantly colored, double, rose-like flowers thickly set along the branches. The plants like the hot sun, rich soil, and plenty of water. They should be set twelve to eighteen inches apart.

Double, Camelia Flowered, Mixed Colors......
Pkt., 10c.

BALOON VINE (Love in a Puff)

A rapid growing annual vine, reaching ten to fifteen feet, bearing delicate clusters of white flowers and large, round, inflated seed buds resembling miniature balloons.....
Pkt., 10c.

BELLIS PERENNIS (Double Daisy)

Double Daisy, or English Daisy. A low growing spring flowering plant for edgings, borders and low beds, also suitable for growing in pots. Although it is a perennial, it will flower the first season if seed is sown early. Mixed colors.....
Pkt., 10c.

Bellis Monstrosa. An improved strain of Double Daisy of strong, robust growth, and producing an abundance of large blooms. Mixed colors.....
Pkt., 10c.

CALCEOLARIA

Gorgeous plants for greenhouse and window decoration. Bears a great profusion of small, pocket-shaped flowers in a variety of colors, shades and markings. A tender perennial.

Calceolaria Hybrida Grandiflora. Mixed colors.....
Pkt., 25c.

CALENDULA (Pot Marigold)

One of the best and showiest free flowering hardy annuals. Blooms continuously from early summer until killed by frost. The plants are about one foot high, the flowers are in various bright shades of yellow, orange and red, and are very effective in beds or mixed borders. Extremely easy to grow. Simply sow the seed in open ground early in spring and thin the plants to about eight inches apart.

Sulphur Crown. Large, double, light yellow flowers.....
Pkt., 10c.

Orange King. Deep orange, double, large-flowered.....
Pkt., 10c.

Prince of Orange. Glittering orange and yellow.....
Pkt., 10c.

Lemon Queen. Bright lemon-yellow.....
Pkt., 10c.

Mixed Colors......
Pkt., 10c.

CALLIOPSIS OR COREOPSIS

Very showy bedding and border plants producing for a long season a great profusion of attractive flowers in shades of yellow, brown and red. Of very easy culture. Sow the seed outdoors early in spring, one-half inch deep, and thin the plants to two feet apart.

Tall, Double, Annual, Mixed Colors......
Pkt., 10c.

Tall, Single, Annual, Mixed Colors......
Pkt., 10c.

Dwarf, Double and Single, Annual, Mixed......
Pkt., 10c.

Lanceolata Grandiflora. A very hardy perennial, blooming the first year and producing on long stems a succession of bright yellow flowers. Seed may be sown outdoors in fall.....
Pkt., 10c.

CANARY BIRD VINE

Tropaeolum canariense. A climbing annual, growing ten to fifteen feet high, bearing pretty bright yellow flowers resembling a canary bird with wings expanded.....
Pkt., 10c.

CANDYTUFT (Iberis)

Among the best hardy annuals for edgings, bedding, massing or rockeries, and for cutting. Sow the seed outdoors in April, and thin well as soon as the plants are large enough.

Iberis Coronaria. Giant Hyacinth-flowered. White flowers borne in large trusses. Twenty inches high.....
Pkt., 10c.

Iberis Coronaria. Empress. White. One foot.....
Pkt., 10c.

Iberis Umbellata, Pink. Dwarf, one foot. Pink.....
Pkt., 10c.

Iberis Umbellata, Lilac. Dwarf, one foot. Lilac.....
Pkt., 10c.

Iberis Umbellata, Crimson. Dwarf, one foot.....
Pkt., 10c.

Iberis. All Varieties and Colors, Mixed......
Pkt., 10c.

CAMPANULA (Canterbury Bells)

These splendid hardy herbaceous plants are easily grown and are extremely effective in borders, beds and backgrounds. They are of stately branching habit, and produce long racemes of pretty bell-shaped flowers in great profusion and for a long season. They are hardy biennials, blooming the second year from seed, and then dying, but if seed is sown early, or started indoors, they will bloom the first year. Three feet high.

| | |
|--|------------|
| Canterbury Bells, Single, Pink | Pkt., 10c. |
| Calycanthemum. Cup and Saucer type. Single, Mixed colors | Pkt., 10c. |
| Canterbury Bells, Double, Mixed | Pkt., 10c. |
| Canterbury Bells, Single, Mixed | Pkt., 10c. |

CANNA

Among the finest bedding plants, bearing immense Gladiolus-like flowers of the most brilliant colors for a long period.

Start the seed indoors in February, and set the plants outdoors, two feet apart, in rich soil, when all danger of frost is past.

Crozy's Dwarf Mixed..... Pkt., 10c.

CARNATION (Dianthus)

Carnations are general favorites for their delicious fragrance and richness of colors. The Marguerites are most popular for outdoor culture. They are half-hardy perennials, but are usually treated as biennials.

| | |
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| Marguerite, Double, Mixed | Pkt., 10c. |
| Giant, or Malmaison, Mixed | Pkt., 10c. |
| Border Carnations, Mixed | Pkt., 10c. |

CELOSIA (Cockscomb)

An odd and picturesque annual of easy culture and very effective in the border. Sow the seed outdoors early in spring, or start the plants in the house, and transplant in rich soil six inches apart.

Celosia Cristata, Tall, Mixed..... Pkt., 10c.

CENTAUREA

(Bachelor's Button, Corn Flower)

These well known hardy annuals are very pleasing and of the easiest culture. Seed should be sown outdoors very early in spring.

| | |
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| Centaurea Cyanus, Double, Blue | Pkt., 10c. |
| Centaurea Cyanus, Double, Pink | Pkt., 10c. |
| Centaurea Cyanus, Double, Mixed Colors | Pkt., 10c. |
| Centaurea Cyanus, Single, Dark Blue | Pkt., 10c. |
| Centaurea Cyanus, Single, Mixed Colors | Pkt., 10c. |

CINERARIA

Magnificent flowering plants for the greenhouse, conservatory or window garden. Tender perennial.

Cineraria Hybrida Grandiflora, Mixed..... Pkt., 25c.



Shasta Daisies

CHRYSANTHEMUM LEUCANTHEMUM

(Shasta Daisy)

One of the finest hardy perennials for permanent garden decoration. When well grown the magnificent pure white flowers are four inches or more across, on stems eighteen to twenty-four inches long. The plants are two to three feet high, very hardy, and flower in great profusion. Sow the seed outdoors, or start the plants indoors, and thin or transplant eight to ten inches apart.

Shasta Daisy..... Pkt., 10c.

CHRYSANTHEMUM

Showy and effective hardy garden annuals growing about eighteen inches high and blooming profusely from early summer until killed by frost. They are summer flowering border plants, and are quite distinct from the winter flowering greenhouse Chrysanthemums.

Chrysanthemum Coronarium, Double, Mixed..... Pkt., 10c.

See special offers on last pages of this book



Canterbury Bells

CLARKIA

A pretty and easily grown garden annual. The plants grow about two feet high and bear during the summer a profusion of rose, white, red and purple flowers. Sow the seed outdoors in early spring in partial shade.

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| Double, White | Pkt., 10c. |
| Double, Purple King | Pkt., 10c. |
| Double, Brilliant, Pink | Pkt., 10c. |

COBAEA SCANDENS

A rapid growing climber with dark green foliage and bell-shaped flowers. A tender perennial, but generally grown as an annual. May be grown in the conservatory in winter. Start the plants indoors early in spring and transplant outdoors after danger of frost is past.

| | |
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| <i>Cobaea Scandens. Cups and Saucers</i> | |
| Vine, Blue | Pkt., 10c. |
| <i>Cobaea Scandens, White</i> | Pkt., 10c. |

COIX LACHRYMAE

(Job's Tears)

A curious ornamental grass with broad, corn-like leaves and lustrous slate-colored seeds. Hardy annual.

Pkt., 10c.

CONVOLVULUS

(Morning Glory)

One of the most rapid growing and free flowering annual climbers. Very easy to grow. Seed is sown outdoors early in spring and plants thinned to four to six inches apart.

| | |
|--|------------|
| <i>Convolvulus Major</i> . Grows fifteen feet high | Pkt., 10c. |
| <i>Convolvulus Minor</i> . A dwarf variety for bedding | Pkt., 10c. |

COSMOS

Beautiful autumn blooming annuals, growing four to six feet high and producing an abundance of artistic flowers at a time when flowers are scarce. Sow the seed outdoors, early in spring, in a sunny position, in rather light soil, not too rich. Cover the seed with one-quarter inch of fine soil firmly pressed down. Thin the plants to four to six inches apart in rows two feet apart.

| | |
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| <i>Mammoth Flowering, White</i> | Pkt., 10c. |
| <i>Mammoth Flowering, Pink</i> | Pkt., 10c. |
| <i>Mammoth Flowering, Crimson</i> | Pkt., 10c. |
| <i>Mammoth Flowering, Orange</i> | Pkt., 10c. |
| <i>Mammoth Flowering, Lady Lenox, White</i> | Pkt., 10c. |
| <i>Mammoth Flowering, Lady Lenox, Pink</i> | Pkt., 10c. |
| <i>Mammoth Flowering, Mixed Colors</i> | Pkt., 10c. |

CYCLAMEN

Charming tuberous rooted pot plants producing handsome red and white flowers for indoor winter and spring blooming in conservatory or window garden. Tender perennial; one foot high.

Cyclamen Persicum, Mixed Colors..... Pkt., 10c.



Foxglove (Digitalis)

DIGITALIS (Foxglove)

Highly ornamental hardy perennial plants of stately growth, easy to grow and requiring very little attention. They grow three to five feet high, and the long spikes are covered with long bell-shaped flowers in a variety of colors. Sow the seed outdoors in seed bed in spring and transplant to permanent bed two feet apart. They will bloom the following spring. The soil should be deep, and they do best in partial shade.

Gloxinia Flowered, Mixed Colors Pkt., 10c.

DAHLIA

These fine autumn flowering plants are easily grown from seed, and if sown early will bloom the first season. The seed may be sown outdoors in spring, or the plants may be started indoors very early, and transplanted one foot apart. The roots should be taken up in fall and replanted the next spring.

Cactus Flowered, Finest Mixed Pkt., 10c.

Collarette Varieties, Mixed Pkt., 10c.

Finest Double Varieties, Mixed Pkt., 10c.

Finest Single Varieties, Mixed Pkt., 10c.

DELPHINUM (Hardy Perennial Larkspur)

The splendid perennial Larkspurs, with their long clustered spikes of beautiful flowers with long spurs, are very effective in the garden and are especially valuable for their shades of blue. They are hardy and very easy to grow. If seed is sown in fall or early spring, they will usually bloom the first season. The plants should stand about two feet apart.

Formosum, Light Blue. Three feet Pkt., 10c.

Formosum, Dark Blue. Three feet Pkt., 10c.

Belladonna. Pale Blue. Four feet Pkt., 10c.

Gold Medal Hybrids, Mixed Colors Pkt., 10c.

Chinensis, Dark Blue. Two feet Pkt., 10c.

Cardinale. Brilliant Scarlet. Two feet Pkt., 10c.

DIANTHUS (China Pinks)

These hardy border plants are very pretty and easy to grow. They are biennials, but bloom the first year, dying after they are done blooming the second year. Seed may be sown outdoors early in spring, one-quarter inch deep, in finely pulverized soil. The plants should be thinned or transplanted six to eight inches apart.

Dianthus Hedgewigi, Hybrid, Double, Fireball. Brilliant scarlet Pkt., 10c.

Dianthus Hedgewigi, Double. Mixed Colors Pkt., 10c.

Dianthus Chinensis, Double. Mixed Colors Pkt., 10c.

ECHINOCYSTIS LOBATA (Wild Cucumber Vine)

One of the quickest growing annual climbers, splendid for covering trellises, fences, etc. Pkt., 10c.

ESCHSCHOLTZIA (California Poppy)

One of the most pleasing and easily grown hardy annuals. Sow the seed early in spring or late in fall in permanent position, as they do not transplant well. Thin the plants to six to eight inches apart.

Californica. The true California Poppy. Golden yellow Pkt., 10c.

Eschscholtzia, Crimson. Rich crimson Pkt., 10c.

Eschscholtzia, Mixed. All colors, mixed Pkt., 10c.

Golden West. A superb variety with very large, deep yellow flowers Pkt., 10c.

EUPHORBIA (Snow on the Mountain)

Ornamental leaved, strong growing hardy annual, fine for beds and borders. The foliage is light green broadly margin with silvery white, giving the effect of "Snow on the Mountain" Pkt., 10c.

GAILLARDIA

Lorenziana, Double Flowering. Very showy garden annuals bearing a profusion of large, double, brilliantly colored flowers from early summer until late fall. Mixed colors Pkt., 10c.

GERANIUM (Pelargonium)

The Lady Washington Geraniums are very interesting plants to grow from seed. The seed is slow to germinate. Sow in pots or boxes in the house, in rather light soil containing leaf mold and sand, covering one-quarter inch deep. Water moderately. When the third leaf appears transplant singly to two-inch pots, transferring to larger pots as the plants require.

Zonale. Choice Varieties Pkt., 25c.

GEUM (Avens)

Handsome hardy perennial border plants, growing about fifteen inches high, and blooming freely all the season. Fine for bouquets.

Coccineum. Scarlet Pkt., 10c.

GILA

Pretty hardy annuals, growing one foot high, bearing white, lilac and rose-colored flowers freely and continually during the whole season. Valuable for rock work or borders. Mixed colors Pkt., 10c.

GODETIA

Free-blooming hardy annuals bearing a profusion of showy flowers of satiny texture in many rich and varied colors, excellent in beds, borders, pots, and for growing in shaded places. One foot high. Fine for cut flowers. Sow seed in seed bed, or in cold-frame, early in spring, and transplant one foot apart.

Tall varieties, Mixed Colors Pkt., 10c.

Dwarf Varieties, Mixed Colors Pkt., 10c.

GOLDEN ROD (Solidago)

A well known hardy perennial, three to five feet high, with gracefully arched sprays of golden yellow flowers.

Solidago Canadensis Pkt., 10c.

GOURDS

The ornamental gourds are rapid growing, climbing annuals with luxuriant foliage, and are interesting on account of the great variety of singular shapes and colors.

Mixed. All varieties, shapes and colors Pkt., 10c.

GRASSES, ORNAMENTAL

These ornamental grasses are very effective and ornamental for beds, groups and backgrounds.

GREVILLEA (Silk Oak)

A graceful, evergreen, greenhouse plant with long, drooping, silky foliage resembling a palm or fern. Easily and rapidly grown from seed.

Grevillea Robusta Pkt., 10c.

GYPSOPHILA (Baby's Breath)

Delicate free-flowering plants covered with very small star-shaped flowers, producing a mist-like effect, used for trimming bouquets, also good in hanging baskets and edgings.

Elegans Grandiflora Alba. Hardy annual. Pure white Pkt., 10c.

Elegans Grandiflora Carminea. Annual. Rose-carmine Pkt., 10c.

Paniculata Alba. Hardy perennial. Pure white Pkt., 10c.

HELICHRYSUM (Straw Flower)

The Everlasting or Straw Flower is ornamental in the garden and is especially prized for winter bouquets. Large, full, double daisy-like flower heads are produced in various bright shades of yellow and scarlet, on long stems. For winter decoration they should be cut and dried when flowers are on the point of expanding. They are hardy annuals, growing about two and one-half feet high.

Helichrysum Monstrosum. Fire Ball. Red Pkt., 10c.

Helichrysum Monstrosum. Golden Globe. Yellow Pkt., 10c.

Helichrysum Monstrosum. Violet Pkt., 10c.

Helichrysum Monstrosum. Rose-Carmine Pkt., 10c.

Helichrysum Monstrosum. All Colors, Mixed Pkt., 10c.

HELIOTROPE

Half-hardy perennials, flowering during the whole season, delightfully perfumed, valuable for border plants during the summer and for house plants in winter. Sow seed indoors early in spring, later transferring to pots, and set outdoors when weather is warm. Must be protected during the winter outdoors.

Choice Mixed Colors Pkt., 10c.

HOLLYHOCK

One of the most majestic of garden plants, producing background effects that cannot be excelled. Sow seed in seed bed in spring, and in fall transplant in permanent position about two feet apart. They will bloom the second and succeeding years. Although they are perennials, best results are obtained by starting new plants each year.

| | |
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| Chater's Superb Double, Newport Pink | Pkt., 10c. |
| Chater's Superb Double, White | Pkt., 10c. |
| Chater's Superb Double, Crimson | Pkt., 10c. |
| Chater's Superb Double, Rose | Pkt., 10c. |
| Chater's Superb Double, Scarlet | Pkt., 10c. |
| Chater's Superb Double, Yellow | Pkt., 10c. |
| Chater's Superb Double, Maroon | Pkt., 10c. |
| Chater's Superb Double, Mixed Colors | Pkt., 10c. |

HUMULUS JAPONICUS (Japanese Hop)

A very ornamental and rapid growing annual climber attaining a height of fifteen to twenty feet.

IPOMOEA

Beautiful annual climbers of luxuriant growth and beautiful and varied foliage. The different varieties are quite distinct.

MOON FLOWER. *Ipomoea Noctiflora.* Covered with large, pure white, fragrant flowers at night and during dull days.

EVENING GLORY. *Ipomoea Bona Nox.* Large violet blue flowers open in the evening.

CYPRESS VINE. *Ipomoea Quamoclit.* Beautiful dark green feathery foliage and star-shaped flowers in various colors.

CARDINAL CLIMBER. *Ipomoea Quamoclit Hybrida.* A rapid growing annual climber of branching habit and bearing clusters of fiery cardinal-red flowers all summer.

KOCHIA (Summer Cypress or Belvedere)

An easily grown annual, forming a cypress-like hedge; green in summer, turning red in fall. Two and one-half feet high. Sow seed outdoors early in spring, thinning the plants to about eighteen inches apart.

SUMMER CYPRESS. *Kochia Trichophylla.*

Pkt., 10c.

KUDZU VINE

A twining perennial vine attaining a height of forty to fifty feet in one season after roots are established. Makes only a small growth the first year. Dies down during the winter and grows up again in spring.

Pueraria Thunbergiana.

Pkt., 10c.

LARKSPUR (Annual Delphinium)

The hardy annual Larkspurs are very easy to grow and the long spikes of pretty flowers are especially valuable in beds. Sow the seed, outdoors, either in fall or early spring, and thin the plants to about one foot apart.

Tall, Double, Stock-flowered, Rose.

Pkt., 10c.

Tall, Double, Stock-flowered, Purple.

Pkt., 10c.

Tall, Double, Stock-flowered, Flesh-Pink.

Pkt., 10c.

Tall, Double, Stock-flowered, Carmine.

Pkt., 10c.

Tall, Double, Stock-flowered, Light Blue.

Pkt., 10c.

Tall, Double, Stock-flowered, Dark Blue.

Pkt., 10c.

Tall, Double, Stock-flowered, All Colors, Mixed.

Pkt., 10c.

Mixed Larkspur. All Varieties and Colors.

Pkt., 10c.

LATHYRUS (Perennial Pea)

Showy, free-flowering, hardy perennial climbers. They have not the fragrance of Sweet Peas, but bloom through a long season, are hardy, and will live for many years. Four to eight feet.

Lathyrus Latifolius.

Pkt., 10c.

LINUM (Flowering Flax)

SCARLET FLAX. *Linum Grandiflorum Rubrum.* An attractive, free-flowering, bedding plant, bearing clusters of glossy, bright red, single flowers, saucer-shaped, with black center. Hardy annual; eighteen inches high. Seed may be sown outdoors in spring, and plants thinned to one foot apart, but flowering will be much advanced if started indoors, early, and transplanted when weather is warm.

Pkt., 10c.

LOBELIA

Compact little bushes, four to six inches high, fairly covered with bloom throughout the season; fine for beds, edgings, baskets or pots. The following varieties are half-hardy annuals and are easy to grow. Sow the seed outdoors after danger of frost is past, and thin the plants moderately. Earlier blooms may be had by starting plants indoors.

Crystal Palace Compacta. Deep blue flowers and dark foliage.

Pkt., 10c.

Compacta. Dwarf, compact plants; bright blue flowers.

Pkt., 10c.

Emperor William. Clear sky blue. Very fine.

Pkt., 10c.

Erinus Alba. White flowers.

Pkt., 10c.

Gracilis. A trailing variety with light blue flowers and light green foliage.

Pkt., 10c.

Excellent for hanging baskets.

Pkt., 10c.

LUPINE (Lupinus)

The annual Lupines are very easily grown; grow about two feet high, and bear graceful spikes of various colored pea-shaped flowers, valuable for beds, borders, and for cutting. Sow seed outdoors in spring and thin the plants to about eighteen inches apart.

Tall, Annual Varieties, Mixed Colors.

Pkt., 10c.

Dwarf, Annual Varieties, Mixed Colors.

Pkt., 10c.

LYCHNIS (Rose Campion. Jerusalem Cross)

Chalcedonica. A handsome hardy perennial, growing two feet high, and bearing clusters of scarlet flowers.

Pkt., 10c.

MARIGOLD

The Marigolds are old favorite free-flowering annuals of easy culture. The African Marigolds bear large yellow or orange-colored flowers, and are adapted for large beds or mixed borders. The French Marigolds are dwarfer in growth, with beautifully striped flowers, and are better suited for bedding or pot culture. Sow seed indoors very early in spring, or outdoors after danger of frost is past, and transplant or thin six to twelve inches apart.

Pkt., 10c.

Dwarf French Double Varieties, Mixed Colors.

Pkt., 10c.

Tall French Double Varieties, Mixed Colors.

Pkt., 10c.

Dwarf African Double Varieties, Mixed Colors.

Pkt., 10c.

Tall African Double Varieties, Mixed Colors.

Pkt., 10c.

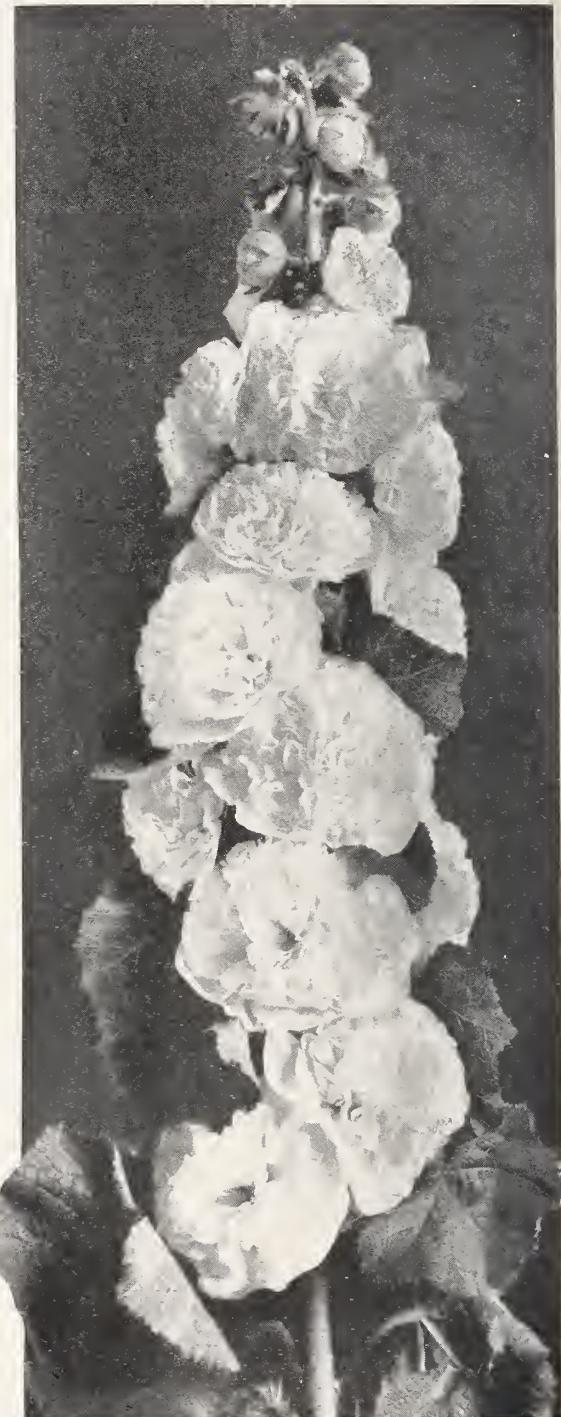
MARVEL OF PERU, or FOUR O'CLOCK

Mirabilis Jalapa. A popular half-hardy annual of easy culture, suitable for large beds and borders. The plants are about two feet high, of bushy habit. The flowers are of various colors, striped and variegated, are sweet scented, and are only open after four o'clock. Sow seed outdoors after danger of frost is past. The plants should stand about two feet apart.

Pkt., 10c.

Mirabilis Jalapa, Mixed Colors.

Pkt., 10c.



Double Hollyhock

MESEMBRYANTHEMUM (Ice Plant)

Crystallinum. Dwarf, trailing, tender annual plants for hanging baskets, rock work, etc. The leaves and stems appear to be covered with ice crystals.

Pkt., 10c.

MIGNONETTE (Reseda)

Well known, fragrant, hardy annuals, producing dense, cone-shaped flower spikes made up of thickly set florets. Sow seed after danger of frost is past, one-quarter inch deep, in well pulverized sandy loam, and thin the plants to six inches apart. Earlier blooms may be had by sowing seed in fall, or starting plants indoors.

Reseda Odorata Grandiflora. Large flowered; very sweet scented; light yellowish white.

Pkt., 10c.

Goliath. Bright red flowers; tall spikes.

Pkt., 10c.

Allen's Defiance. A splendid variety for greenhouse culture. Very fragrant and extremely long spikes.

Pkt., 10c.

Golden Machet. Massive spikes of golden yellow.

Pkt., 10c.

Giant White Spiral. Flowers silvery white.

Pkt., 10c.

MYOSOTIS (Forget-Me-Not)

A favorite, old-fashioned, hardy perennial, bearing a profusion of dainty flowers in spring and fall. Sow seed outdoors in fall or early spring, and thin the plants to six inches apart.

Alpestris, Blue.

Pkt., 10c.

Alpestris, Mixed Colors.

Pkt., 10c.



Nasturtiums

NICOTIANA (Flowering Tobacco)

Handsome half-hardy annuals of the tobacco family, growing about three feet high and blooming profusely and for a long period. Sow seed indoors early in spring, or outdoors after danger of frost is past, and thin or transplant at least eighteen inches apart.

Nicotiana Affinis. Produces an abundance of large, pure white flowers of delicious fragrance. If taken up in fall, cut back and potted, they will bloom all winter indoors.....Pkt., 10c

Nicotiana Sanderae Hybrids. A splendid type in a great variety of colors.....Pkt., 10c

NIGELLA (Love in a Mist)

Lovely garden annuals growing in bush form twelve to fifteen inches high. In the finely cut fern-like green foliage nestle numerous large double flowers of light blue or white. Sow seed outdoors in spring and thin the plants about one foot apart.

Pkt., 10c

OENOTHERA (Evening Primrose)

Hardy perennials, blooming the entire summer, and elegant for borders or rockeries in exposed sunny positions.....Pkt., 10c

NASTURTIUMS

Nasturtiums are the most pleasing and satisfactory annuals, for no other will produce such a profusion and diversity of blooms and colors for such a long period with so little care. They may be grown almost any place, under almost any conditions, and have a place in any sort of a garden from a large estate or park to a window box or pot in an apartment. They are not particular as to soil or location, but do best in ordinary garden soil, exposed to the sun, and not too moist. Nothing can excel a bed or border of the dwarf varieties, or a trellis, fence, stump or rockery covered with the tall varieties. The seed is simply sown in spring, after danger of freezing weather is past, in the permanent location and covered about one inch deep.

Dwarf or Bedding Nasturtiums

Vesuvius. Dark foliage, salmon-rose flowers; very large. One of the finest.

Pearl. Creamy white flowers.

King of Tom Thumbs. Dark scarlet. Fine. **Crystal Palace Gem.** Yellow and carmine.

Chameleon, Dwarf. An interesting and unique variety, bearing flowers of a great variety of different colors and marking on each plant.

Beauty. Scarlet blotched with canary-yellow.

Dwarf Varieties, Mixed. All good varieties and colors. Pkt., 10 cts.; Oz., 30 cts.; Postpaid.

Tall or Climbing Nasturtiums

Jupiter. Very large golden yellow flowers; splendid. **Hemispherican.** Straw-color blotched and suffused with orange-scarlet. Very large foliage.

Giant of Battles. Sulphur-yellow with red blotches. **Edward Otto.** Brownish lilac flowers.

Chameleon. Various colors and markings on each plant.

King Theodore. Rich, deep crimson flowers.

King of Blacks. Very dark, deep, velvety garnet.

Twilight. Yellow and salmon-rose.

Tall Varieties, Mixed. All good varieties and colors.

Pkt., 10 cts.; Oz., 30 cts.; Postpaid.

PANSIES

The cool, moist climate of the Pacific Northwest is ideal for producing the most perfect pansies, and in no other locality do they attain such immense size or perfection of form and color, or bloom so continuously. Seed may be sown in seed bed when weather is settled in spring, and the plants transplanted when an inch high, or the seed may be sown in fall and the plants wintered over in a cold-frame for early blooms the next spring. Pansies require a cool, partially shaded position, a rich loam soil, thorough cultivation and plenty of moisture. Blooms should be kept picked, for they stop blooming as soon as seed pods are allowed to form.

STEELE'S MASTODON PANSIES. This type is noted for its immense size, magnificent form and splendid colors. They are unsurpassed in every way. Our seed is procured from the originators, Steele's Pansy Gardens, in Oregon.

Panama-Pacific Mastodon Pansy. Deep yellow.....Pkt., 25 cts.

Black Mastodon. Immense flowers; very dark.....Pkt., 25 cts.

Private Stock Mixed Mastodon. All colors.....Pkt., 25 cts.

Steele's Parisian Yellow. Pure yellow.....Pkt., 25 cts.

Steele's Prince Henry. Blue.....Pkt., 25 cts.

Steele's Grand Duke Michel. All white.....Pkt., 25 cts.

Steele's Meteor. Wine red.....Pkt., 25 cts.

Dr. Faust, or King of the Blacks. Velvety black.....Pkt., 10 cts.

Cardinal. Rich scarlet. Very large.....Pkt., 10 cts.

Gold Margined. Maroon with gold border.....Pkt., 10 cts.

Snow Queen. White.....Pkt., 10 cts.

Lord Beaconsfield. Lower petals deep violet-purple, shading in upper petals to white tinted purple.....Pkt., 10 cts.

Chicago Parks Choice Mixed Pansies. All colors.....Pkt., 10 cts.

Choice Mixed Pansies. All varieties and colors.....Pkt., 10 cts.

PENTSTEMON

Handsome half-hardy herbaceous perennials, about two feet high, producing brilliant color effects in beds, groups or borders. Usually blooms the first season if seed is sown early. Bell-shaped flowers in white and various shades of rose and red, one and one-half inches long, are borne in racemes or spikes.

Pkt., 10 cts.

PERILLA NANKINENSIS

An ornamental leaved half-hardy annual, one foot high, with effective dark red foliage, for beds and borders.....Pkt., 10 cts.

PHLOX

PHLOX DRUMMONDI GRANDIFLORA. For beds and massing nothing can surpass these beautiful annuals. They produce immense trusses of large brilliant flowers throughout the summer. Sow seed, outdoors, very early in spring, in a sunny position, one-quarter inch deep, in well pulverized rich soil, firmly pressed down. Thin the plants to one foot apart.

Alba. Pure white, very desirable.....Pkt., 10 cts.

Violet. Deep violet-blue with white eye.....Pkt., 10 cts.

Scarlet. Scarlet with maroon center.....Pkt., 10 cts.

Rosea. Rose with distinct eye.....Pkt., 10 cts.

Grandiflora Mixed. All colors.....Pkt., 10 cts.

HARDY PERENNIAL PHLOX. Perennial Phlox when once planted requires no further attention for several years.

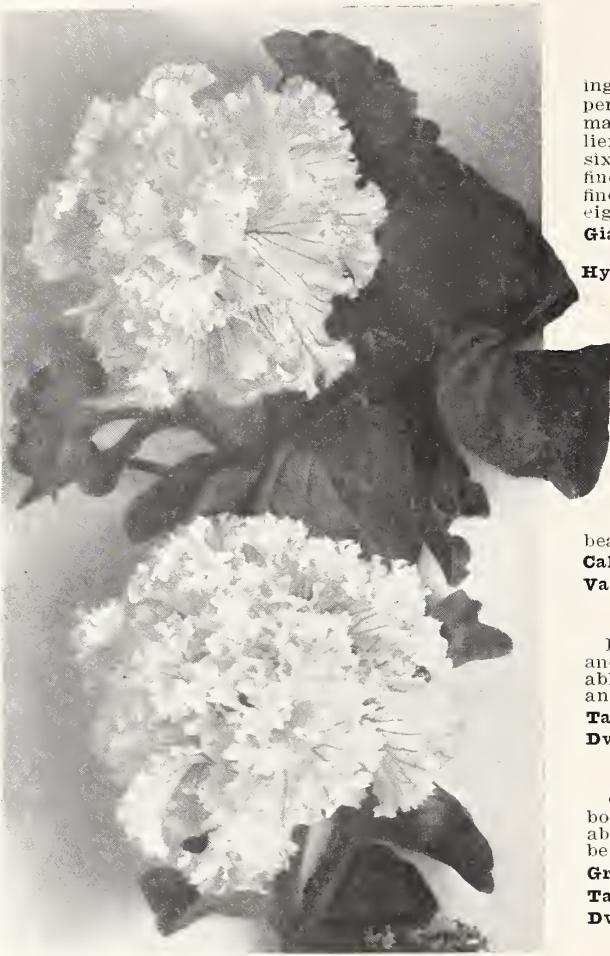
Mixed Perennial Phlox. All colors.....Pkt., 10 cts.

PORTULACA (Sun Plant)

A low-growing, creeping, hardy annual, covered with flowers in a great variety of dazzling colors throughout the season.

Grandiflora, Single, Mixed Colors. Pkt., 10 cts.

Grandiflora, Double, Mixed Colors. Pkt., 10 cts.



POPPY

These well known hardy annuals flower in great profusion throughout the summer, are easy to grow, and are very pleasing in beds and borders. Sow seed where the plants are to bloom, in fall, early spring, and at intervals for succession. Sow thinly, cover very lightly, and thin the plants to about one foot apart.

Shirley. Large, single, dainty, gauzy flowers in a variety of delicate colors. Fine for cutting. Pkt., 10 cts.

Glaucum, or Tulip Poppy. Fine, tulip-shaped flowers of intensely brilliant scarlet. Dwarf. Pkt., 10 cts.

Paeony Flowered. Large, handsome, double flowers, prettily fringed, in many beautiful colors. Pkt., 10 cts.

Ranunculus Flowered. Small, double flowers, finely formed. All colors Pkt., 10 cts.

PRIMULA

PRIMROSE. *Primula Obconica Grandiflora.* Favorite pot plants for house and conservatory, flowering abundantly and continuously. Easy to grow. Mixed colors. Pkt., 10 cts.

COWSLIP. *Primula Veris.* Beautiful, spring flowering, dwarf, hardy perennial, bearing clusters of fragrant flowers. Pkt., 10 cts.

PYRETHRUM

GOLDEN FEATHER. *Pyrethrum Parthenifolium Aureum.* Dwarf, hardy perennial plants, about eight inches high, used for ribbon and carpet bedding. The foliage is bright yellow. Pkt., 10 cts.

RHODANTHE (Straw Flower)

One of the most beautiful everlastings. The flower-heads are somewhat bell-shaped, and are gracefully poised on slender stems. For winter bouquets, blooms should be gathered before fully expanded and dried in the shade. Tender annual, one and one-half feet high. Start under glass, or sow seed outdoors after danger of frost is past. Mixed colors. Pkt., 10 cts.

RICINUS (Castor Bean)

Stately plants with very ornamental foliage, giving a semi-tropical effect, and long spikes of scarlet or green, prickly seed pods. Half-hardy annual, eight to ten feet high. Sow seed outdoors after danger of frost is past, or, for earlier blooms, start indoors and transplant about four feet apart. Pkt., 10 cts.

RUDBECKIA (Coneflower)

Attractive, compact plants, most suitable for beds and borders or clumps among shrubs. Showy, large, yellow flowers with dark central cones. Hardy annual. Two feet. Pkt., 10 cts.

SALPIGLOSSIS (Painted Tongue)

Showy, half-hardy annuals, bearing beautiful funnel-shaped flowers on long, graceful stems, from late summer until killed by frost. For early blooms, start the plants indoors in March, or sow seed outdoors when weather is settled, and thin the plants to one foot apart.

Mixed Varieties and Colors. Pkt., 10 cts.

Varibilia Grandiflora, Mixed Colors. Pkt., 10 cts.

PETUNIA

Very effective for either outdoor or house culture. They commence flowering early and continue a sheet of bloom until killed by frost. They are tender perennials, but bloom the first year from seed. Eighteen inches high. Seed may be sown outdoors after weather is thoroughly settled and warm, but earlier blooms will be obtained by starting the plants indoors in a temperature of sixty to seventy degrees. The seed is exceedingly fine and must be sown in finely pulverized soil, covered very lightly and pressed down. Water with a fine spray and do not allow the seedlings to dry out. Transplant outdoors, eighteen inches apart, after all danger of frost is past.

Giants of California. Splendid flowers, as large as Hollyhocks and very double. A special mixture of finest colors. Pkt., 25 cts.

Hybrida Mixed. A special mixture of fine hybrid varieties. Pkt., 25 cts.

SALVIA

Rosy Morn. A beautiful, single, bedding variety. Bright, rosy pink with white throat. Compact and free-flowering. Pkt., 10 cts.

SCARLET SAGE. *Salvia Splendens.* Bushy garden plants, about three feet high, producing during the summer and fall dazzling scarlet flowers in great profusion. Half-hardy perennial, but blooms the first year from seed. Start plants indoors, early, and transplant when danger of frost is past, one to two feet apart; or seed may be sown outdoors when weather is warm. Pkt., 10 cts.

SAPONARIA (Bouncing Bet)

Very pretty and useful annuals growing about two feet high and bearing masses of satiny flowers somewhat like an enlarged Gypsophila.

Calabrica Multiflora, Red. Pkt., 10 cts.

Vaccaria Multiflora, Rose. Pkt., 10 cts.

SCABIOSA (Mourning Bride)

Fine hardy annuals, about thirty inches high, bearing a great abundance and long succession of richly colored, fragrant blossoms on long stems, desirable for beds, borders, and for cutting. Sow seed outdoors early in spring, and thin or transplant eighteen inches apart.

Tall, Double Varieties, Mixed Colors. Thirty inches high. Pkt., 10 cts.

Dwarf, Double Varieties, Mixed Colors. Fifteen inches high. Pkt., 10 cts.

SCHIZANTHUS (Butterfly Flower, Fringe Flower)

One of the airiest and daintiest flowers imaginable, especially adapted for bordering beds of taller flowers; also desirable pot plants. Hardy annual, about twenty inches high. Sow seed outdoors early in spring, or plants may be started indoors.

Grandiflora, New Hybrids, Mixed Colors. Pkt., 10 cts.

Tall, Double Varieties, Mixed Colors. Pkt., 10 cts.

Dwarf, Double Varieties, Mixed Colors. Pkt., 10 cts.

SILENE (Catch Fly)

Bright colored and free-flowering hardy annuals, one foot high, blooming all summer, and suitable for rockeries, beds and borders.

Mixed Colors. Pkt., 10 cts.

SMILAX

A very useful, and one of the most graceful climbers for adorning the greenhouse or conservatory. Indispensable for bouquets and floral decorations.

Myrsiphyllum Asparagooides. Pkt., 10 cts

SOLANUM

JERUSALEM CHERRY. *Solanum Capsicastrum.* Very ornamental plants, one foot high, bearing a great profusion of bright scarlet berries. Fine for winter decoration in the house or conservatory. Tender perennial. Pkt., 10 cts.

STATICE (Sea Lavender)

Splendid hardy perennials for border or rockery, producing all summer pannicles of minute flowers which can be dried and used for winter bouquets. Pkt., 10 cts.

STEVIA SERRATA

A tender greenhouse perennial, two feet high, bearing elegant sprays of tiny white, fragrant flowers; splendid for cutting. Pkt., 10 cts.

STOCKS

Among the most popular plants for bedding, edging and pot culture. They are unsurpassed in brilliancy, diversity of color, fragrance, profusion and duration of bloom. The following varieties are all of the hardy-annual, early, Ten Week type. Sow the seed outdoors early in spring, in well fertilized, carefully prepared soil, one-quarter inch deep and firmly pressed down. Thin the plants to six inches apart. For earlier bloom, plants may be started indoors and transplanted.

Large-Flowering, Dwarf, Ten-Week, White. Pkt., 10 cts.

Large-Flowering, Dwarf, Ten-Week, Light Blue. Pkt., 10 cts.

Large-Flowering, Dwarf, Ten-Week, Dark Blue. Pkt., 10 cts.

Large-Flowering, Dwarf, Ten-Week, Rose. Pkt., 10 cts.

Large-Flowering, Dwarf, Ten-Week, Crimson. Pkt., 10 cts.

Large-Flowering, Dwarf, Ten-Week, Canary Yellow. Pkt., 10 cts.

Large-Flowering, Dwarf, Ten-Week, Mixed Colors. Pkt., 10 cts.

Giant Perfection, Princess Alice, White. Pkt., 10 cts.

Giant Perfection, Brilliant, Blood Red. Pkt., 10 cts.

Giant Perfection, Creole, Yellow. Pkt., 10 cts.

Giant Perfection, Sapphire, Violet. Pkt., 10 cts.

Giant Perfection, Mixed Colors. Pkt., 10 cts.

You cannot grow satisfactory flowers in poor or improperly prepared soil. The soil should be thoroughly pulverized and in perfect condition and generous quantities of Invicta Fertilizer should be used. The extra labor and expense will be more than repaid in more luxuriant plants, larger and more perfect blooms and brighter colors.

SUNFLOWER (Helianthus)

The improved ornamental sunflowers are splendid for backgrounds and screens, and wonderful effects may be produced with them. They are hardy annuals, easy to grow. Sow seed outdoors after danger of frost is past, and thin the plants to six to twenty-four inches apart.

Double Chrysanthemum Flowered. The plant is tall, six to seven feet, and blooms profusely all summer. The flowers are large, very double, with long fringed petals resembling chrysanthemums. The color is splendid, rich golden yellow, free from any black center. Pkt., 10 cts.; Oz., 35c.; postpaid.

Red Sunflower. The plant varies in height from four to eight feet, and some of the flowers are very small while others are large. Some are solid red of a deep maroon shade, others are red with petals tipped with gold, and all are pleasing combinations of red and gold. Pkt., 10 cts.; Oz., 35 cts.; postpaid.

Miniature Sunflower. Dwarf plants bearing a profusion of small flowers in a great variety of bright colors. Pkt., 10 cts.; Oz., 60 cts.; postpaid.

Dwarf Sunflowers, Mixed. All dwarf varieties and colors, mixed. Pkt., 10 cts.; Oz., 30 cts.; postpaid.

SWEET ROCKET (Hesperis)

An old-fashioned garden plant growing two to three feet high, and bearing spikes of white, lilac and purple, fragrant flowers. Hardy perennial. Sow seed outdoors after danger of frost is past. Pkt., 10 cts.

SWEET SULTAN (Centaurea Moschata)

An old-fashioned hardy annual, growing about eighteen inches high, with long-stemmed, sweet scented, light purple flowers. Sow seed outdoors early in spring. Pkt., 10 cts.

SWEET WILLIAM (Dianthus Barbatus)

A well known, attractive, free-flowering hardy perennial; their rich and varied flowers producing splendid effects in beds and borders. Sow seed outdoors very early in spring, one-quarter inch deep, and thin the plants six inches apart. Pkt., 10 cts.

THUNBERGIA (Black-eyed Susan)

Beautiful, rapid growing, annual climbers, used for hanging baskets and for covering fences, etc. Pretty flowers in buff, white, orange, etc., with dark eyes. Pkt., 10 cts.

TRITOMA

Red-hot Poker, Flame Flower, or Torch Lily. Very handsome and showy border plants. Flowers are borne in compact form on stout stems three to four feet long, and the bright red-orange color gives them the appearance of fire. Perennial, hardy on the Pacific Coast. Pkt., 10 cts.

VALERIANA (Garden Heliotrope)

Rubra. Very handsome hardy perennials, two feet high, fine for borders, wild gardens and rockeries. Large trusses of red flowers. Pkt., 10 cts.

VERBENA

These pretty half-hardy annual creepers are fine for beds, borders, mounds, window boxes, etc. Large clusters of showy flowers are borne in succession through a long season until killed by frost. Start plants indoors early in spring, or sow seed outdoors after weather is warm. Seed should be soaked in warm water to hasten germination. Transplant in a sunny position two feet apart.

Mammoth, White. Largest trusses of finely formed white flowers. Pkt., 10 cts.

Mammoth, Pink Shades. Immense flowers in various shades of pink. Pkt., 10 cts.

Mammoth, Scarlet. Bright scarlet flowers in large trusses. Pkt., 10 cts.

Mammoth, Blue Shades. All desirable shades of blue. Pkt., 10 cts.

Mammoth, Extra Choice Mixed. All colors of the Mammoth type. Pkt., 10 cts.

Firefly. Brilliant scarlet with white eye. Pkt., 10 cts.

Lucifer. Intense brilliant scarlet. Pkt., 10 cts.

LEMON VERBENA. *Citriodora.* An old favorite with fragrant evergreen leaves. Pkt., 10 cts.

Grown in garden in summer and in pots in winter.

VINCA (Periwinkle)

Attractive, bushy plants with glossy green foliage, producing an abundance of handsome single flowers. One of the best bedding plants; also used as a pot plant in winter. Tender perennial, but blooms the first year. Pkt., 10 cts.

VIOLA

Tufted Pansies. *Viola Cornuta.* Not so large as Pansies, but they flower the whole season, and their bright colors make them favorites for bedding. Half-hardy perennial. Pkt., 10 cts.

Sweet Violets. *Viola Odorata.* Hardy perennial, much prized for spring blooming. Very fragrant. Pkt., 10 cts.

WALLFLOWER (Cheiranthus Cheiri)

Excellent perennial and annual plants, growing eighteen inches high, bearing in spring long spikes of pleasing flowers in red, brown, orange, yellow, etc. The annuals will bloom the first year if seed is started early, indoors.

Blood Red. Early-flowering, annual, single, red. Pkt., 10 cts.

Parisian Forcing. Single, annual, mixed colors. Pkt., 10 cts.

Yellow. Single, annual, yellow. Pkt., 10 cts.

Choice Double, Mixed. Perennial. Mixed colors. Pkt., 10 cts.

WILD GARDEN FLOWER MIXTURE

A mixture of hardy flower seeds that may be sown broadcast in corners or waste places, and with little care will produce a wonderful variety of flowers, and some pleasant surprises.

WISTARIA SINENSIS

The Chinese Wistaria is a beautiful, rapid-growing, hardy perennial climber. The flowers are very fragrant, single, pale blue, pea shaped, and are borne in long, drooping clusters, often more than a foot in length. Pkt., 10 cts.

ZEA

RAINBOW CORN. *Japonica Variegata.* The leaves are striped yellow, green, rose, and dark red. Highly effective as an ornamental foliage plant in mixed beds, borders or isolated groups on lawns, in subtropical gardens, etc. Annual; four feet high. Pkt., 10 cts.

**Special Assortment**

12 Choicest Colors

\$1.00

Postpaid

SPENCER SWEET PEAS

The Large, Wavy, Orchid-Flowered Type

We have selected one each of the twelve most desirable colors in the magnificent Spencer Sweet Peas, and have packed a great number of these collections ready for shipment. By doing this before the busy season in spring we are able to offer them at a reduced price. Each color is packed and labeled separately, and each is of a variety of the Giant Orchid-Flowered Spencer type listed on the following pages. It is a better assortment than most persons not familiar with the varieties would be able to select.

This package contains one packet each of the following colors: Pink, White, Salmon, Scarlet, Lavender, Purple, Blue, Pink and White, Striped, Cream, Yellow, and Maroon.

Price, \$1.00, postpaid.

ZINNIA

One of the most brilliant and showy of garden plants, one of the most easily grown from seed, and the immense double flowers are still in their glory after most other flowers have been killed by frost. Hardy annual; two feet high. Sow seed outdoors early in spring and thin the plants to six inches apart. For earlier blooms, plants may be started indoors.

Dahlia-Flowered Zinnia, Mixed Colors. New, and specially fine. The flowers are fuller and more double than any others. Pkt., 15 cts.

Special Trial Grounds Mixture. Choice varieties. Pkt., 10 cts. **Elegans; Large-Flowering, Dwarf, Double.** All colors. Pkt., 10 cts.

GIANT SPENCER

ORCHID FLOWERED

SWEET PEAS

The Finest Varieties of This
Magnificent Type

Surely you will grow Sweet Peas, for here on the Pacific Coast we can grow them so much larger, wavier, brighter, and for such a long period as to make all the world envious.

The Spencer type is so much superior that it has practically superseded the old Grandiflora type. The stems are a foot or more in length, each bearing three to five magnificent flowers, often two and one-half inches across, daintily waved and fluted, and of the most delicate colors and fragrance.

We have taken great care in selecting our list of Sweet Peas, and have chosen only the choicest varieties of the most desirable colors and tints.

SPLENDID NEW VARIETIES

Burpee's New Early Flowering FLAMINGO

A splendid new 1921 introduction of the early or winter flowered Spencer type. It is enormous in size, and is produced in threes and fours on very long, stiff stems. The broad, well waved standard is light orange with a suffusion of bright salmon, and the wings are a delicate shade of orange-pink, the whole blending into a general effect of bright, light orange.....Packet, 25c

Burpee's New Early Flowering GLITTERS

This novelty was placed on the market for the first time late last season, and attracted a great deal of attention. No other variety approaches it in richness, brightness, and live-fire effect. It glitters and scintillates with a fire-like sheen radiating over the flowers. The standard is bright, fiery orange, and the wings are deep orange. The flowers are very large, wavy, and are usually borne in fours.....Packet, 25c

Burpee's New MRS. TOM JONES

A new 1921 introduction of the splendid Spencer type, claimed to be the finest light blue ever produced; deeper and purer than Wedgwood. Magnificent, large, wavy flowers, usually four on a stem. Packet, 25c

Burpee's New TANGERINE

Another new 1921 introduction, claimed to be the finest self colored orange Spencer Sweet Pea yet produced. The flowers are of very large size, wavy, and there are usually four on each long, stout stem. Pkt. 25c

Burpee's New Improved ROSALIND

A very fine 1920 novelty, very highly recommended. The color is a beautiful deep rose-pink. Extra large and free flowering, usually in fours.....Pkt., 25

New HAWLMARK PINK

Introduced in 1920, and considered one of the finest sweet peas ever offered. The standard is clear salmon-pink, the wings almost rose-pink. The flowers are superb in size and texture, with standard attractively waved.....Pkt., 25c

Extra Early Varieties

The following Extra Early or Winter-Flowering Spencer Sweet Peas are of recent introduction and are all choice and worthy varieties. They are especially useful for fall and very early spring planting.

BURPEE'S EARLY BLUE JACKET. Rich, dark, navy-blue self. Free flowering.

BURPEE'S EARLY CANARY BIRD. Deep cream or primrose colored self.

BURPEE'S EARLY CHEERY RIFE. Glowing cherry or salmon-cerise self.

BURPEE'S EARLY DAINTINESS. Pure white, edged with rose.

BURPEE'S EARLY DAZZLER. Standard rich orange, wings rosy-salmon and suffused orange.

BURPEE'S EARLY GIPSY MAID. Light, bright rose-pink suffused salmon, with deep lemon keel.

BURPEE'S EARLY GLORIOUS. Warm, rosy purple. Large.

BURPEE'S EARLY LUSTER. A distinct and pleasing shade of deep rose-pink with a coppery sheen suffusing the standard.

BURPEE'S EARLY ORANGE BEAUTY. Glowing orange-scarlet with softer colored wings.

BURPEE'S EARLY SPLENDOR. Rich rose-carmine with white blotch at base of standard and wings.

BURPEE'S EARLY YARRAWA. Bright rose-pink with a clear creamy base. Very large, with many flowers double.

CONCORD RED. Rich crimson color. Extra early.

Choice Spencer Sweet Peas of Recent Introduction

ANNIE BOWNASS. Flowers of largest size. Color rich, bright pink, heavily suffused with salmon and amber on white ground. Pkt., 15c; Oz., \$1.00

BERYL. A lovely shade of pink, heavily suffused with salmon. Pkt., 15c; Oz., \$1.00

CHARM. The flowers are pure snow-white suffused with delicate flesh or blush-pink.....Pkt., 15c; Oz., \$1.00

CHERUB. Deep, rich cream charmingly edged with bright rose. Gigantic flowers borne in fours.....Pkt., 20c; Oz., \$1.25

CIS WRIGHT. Color blush-white. As the flower opens it is heavily suffused with amber and pale pink....Pkt., 15c; Oz., \$1.00

DON ALVAR. Flowers of largest size. The color is a delightful soft silvery-blue or lavender.....Pkt., 15c; Oz., \$1.00

EDWARD COWDY. A truly magnificent variety. The color is a bright, fiery orange scarlet. Large size.....Pkt., 15c; Oz., \$1.00

INOCULATE THIS
SEED WITH
MULFORD CULTURE



Burpee's Early Yarrawa

EARLY CONGO. Color chocolate self, very dark. New 1921.

EARLY HARMONY. Clear lavender self, flushed rose. New 1921.

EARLY MORNING STAR. Deep orange scarlet, orange pink wings.

EARLY PEACE. Cream ground suffused apricot-pink.

EARLY ROBIN RED BREAST. Rich orange-scarlet. 1921 novelty.

EARLY SNOWFLAKE. A magnificent early white sweet pea.

EARLY SPRING MAID. A beautiful cream-pink.

EARLY WARBLER. Rich mauve-purple.

EARLY WEDGWOOD. A clear azure-blue.

INVICTA WHITE. Pure white; large; wavy; extra early. New 1921.

LAUDER KING. A beautiful shade of lavender.

MISS LOUISE GUDE. Beautiful brilliant pink. Very early.

Prices, any of the above varieties, Packet, 25c, postpaid.

FIERY CROSS. The standard is a scorching fire-red or rich orange-scarlet, which scintillates and glitters in the bright sunlight with a glowing fire-like sheen that radiates over the entire flower.....Pkt., 15c; Oz., \$1.00

HERCULES. A magnificent soft rose-pink self. The standard is often two and one-half inches across.....Pkt., 15c; Oz., \$1.00

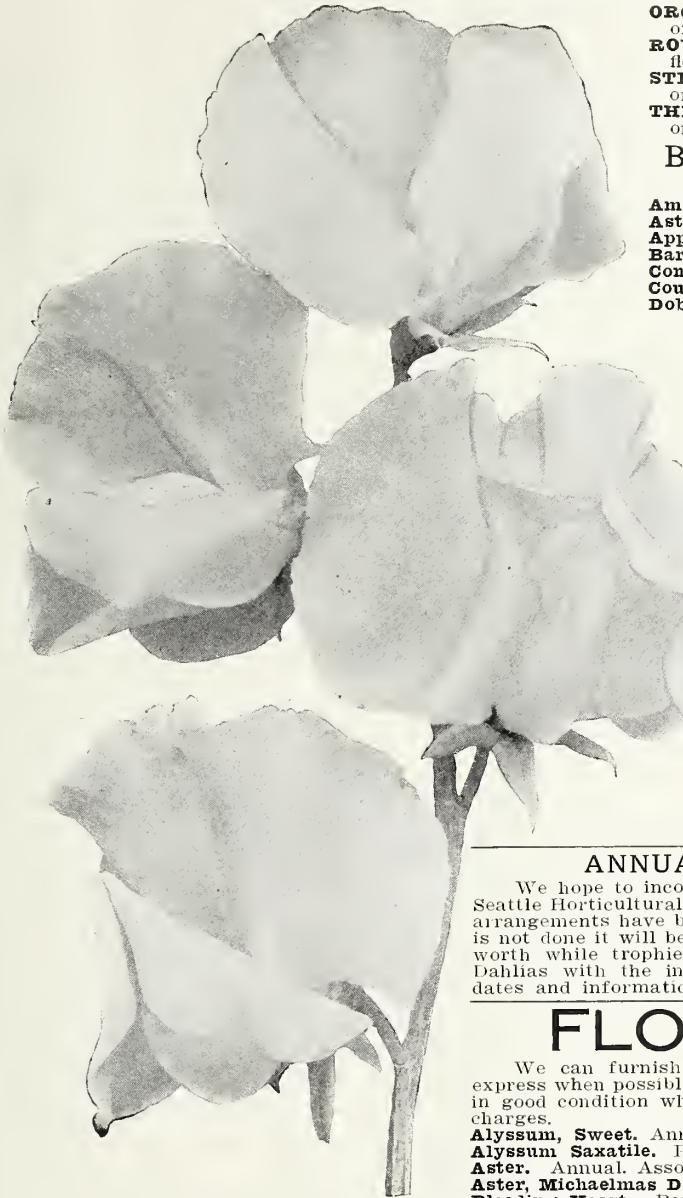
IRISH BELLE, OR DREAM. A lovely rich lilac, flushed with pink. Large and of fine form.....Pkt., 15c; Oz., \$1.00

ISOBEL MALCOLM. The flowers are wonderfully frilled and of exquisite quality. Color, rich cream self.....Pkt., 15c; Oz., \$1.00

JOHN PORTER. A lovely shade of soft orange-pink. The flowers are of great size, usually in fours.....Pkt., 15c; Oz., \$1.00

FLORIDALE FAIRY. Deep cream, the most richly colored of the cream varieties. Beautifully waved flowers.....Pkt., 15c; Oz., \$1.00

MRS. A. G. GENTLE. The ground color is white, the standard heavily edged with bright scarlet-pink.....Pkt., 15c; Oz., \$1.00



ORCHID. The flowers suggest the rich tone found only in the Cattleya orchids. Rich purple, suffused pink.....Pkt., 15c; Oz., \$1.00
ROYAL PURPLE. The color is a rich, warm, rosy-purple, the younger flowers having a slightly softer color tone.....Pkt., 15c; Oz., 50c
STERLING STENT. Rich, glowing, deep salmon self, suffused with orange. Very finePkt., 15c; Oz., \$1.00
THE PRESIDENT. Brilliant orange-scarlet Flowers of largest size, on strong, stiff stems, usually in fours.....Pkt., 15c; Oz., \$1.00

Best Standard Varieties Spencer Sweet Peas

| | Pkt. | Oz. |
|--|------|-------|
| America. Ivory white distinctly striped with crimson..... | .10 | \$.35 |
| Asta Ohn. Charming soft lavender suffused with mauve..... | .10 | .35 |
| Apple Blossom. Standard bright rose; wings primrose..... | .10 | .35 |
| Barbara. A superb salmon-colored self | .10 | .50 |
| Constance Hinton. White, sometimes with a blush tinge..... | .10 | .75 |
| Countess Spencer. Soft rose-pink, deepening at edges..... | .10 | .35 |
| Dobbie's Cream. Deep cream-color. Large and fine..... | .10 | .35 |
| Dobbie's Sunproof Crimson. Rich crimson; waved..... | .10 | .50 |
| Elfrida Pearson. A lovely pink, tinted salmon-pink..... | .10 | .50 |
| Ethel Roosevelt. Primrose, splashed blush-crimson..... | .10 | .50 |
| Florence Morse. White with blush pink at edge..... | .10 | .50 |
| Florence Nightingale. Soft lavender with pink sheen..... | .10 | .75 |
| Helen Lewis. Crimson-orange with orange-rose wings..... | .10 | .50 |
| Illuminator. Brilliant orange-scarlet..... | .10 | .50 |
| King Edward. Rich carmine-scarlet..... | .10 | .50 |
| King White. Pure white; very large and wavy..... | .10 | .50 |
| Margaret Atlee. Apricot-pink on cream ground..... | .10 | .50 |
| Mrs. C. W. Breadmore. Cream with pink picotee edge | .10 | .50 |
| Mrs. Routzahn. Apricot suffused with pink..... | .10 | .35 |
| Nubian. Chocolate self, beautifully waved..... | .10 | .50 |
| Mrs. Cuthbertson. Rose pink with white wings..... | .10 | .50 |
| Othello Spencer. Very dark, deep, rich maroon..... | .10 | .50 |
| Primrose Spencer. Clear primrose color..... | .10 | .35 |
| Robert Sydenham. Rich orange-salmon self..... | .10 | .50 |
| Senator. Striped chocolate and heliotrope..... | .10 | .35 |
| R. F. Felton. Mauve toned lavender. Fine..... | .10 | .50 |
| Royal Purple. The best purple sweet pea..... | .10 | .50 |
| Thomas Stevenson. Rich orange-scarlet..... | .10 | .50 |
| Vermillion Brilliant. Scarlet; waved | .10 | .50 |
| Wedgwood. Clear azure-blue..... | .10 | .50 |

Mixed Spencer Sweet Peas

A choice mixture of good varieties of Spencer Sweet Peas, chosen for those who wish a great variety of colors, tints and shades, but do not care to purchase and plant all of the varieties separately.....Pkt., 10c; Oz., 35c

ANNUAL SWEET PEA AND DAHLIA SHOW

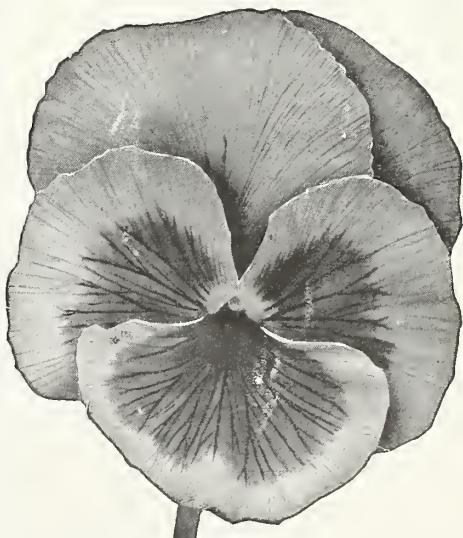
We hope to incorporate our Annual Sweet Pea and Dahlia Show with that of the Seattle Horticultural Society, thus increasing the efficiency of both, although no definite arrangements have been made at the time of going to press with this catalog. If this is not done it will be held by us as usual, and in either case it will be a good one, and worth while trophies will be offered. So plant and care for your Sweet Peas and Dahlias with the intention of carrying away your share of the trophies. Definite dates and information will be given later.

FLOWERING PLANTS

We can furnish the following plants in season. Plants should be shipped by express when possible, for it is difficult to pack them so that they will reach destination in good condition when shipped by parcel post. Prices do not include transportation charges.

| | |
|---|-------------------------|
| Alyssum, Sweet. Annual | Doz., 50c |
| Alyssum Saxatile. Perennial..... | Each, 25c; Doz., \$2.50 |
| Aster. Annual. Assorted or mixed colors..... | Doz., 40c |
| Aster, Michaelmas Daisy. Perennial | Each, 25c; Doz., \$2.00 |
| Bleeding Heart. Perennial | Each, 25c; Doz., \$2.50 |
| Canterbury Bells, Campanula. Perennial | Each, 25c; Doz., \$2.00 |
| Carnation, Marguerite. Perennial | Each, 25c; Doz., \$2.50 |

| | |
|---|--|
| Carnation, Red. Perennial. Rooted cuttings | |
| Carnation, White. Perennial. Rooted cuttings | |
| Carnation, Pink. Perennial. Rooted cuttings | |
| Coreopsis. Perennial | |
| Cosmos. Annual. Mixed colors | |
| Daisy, English. Bellis Perennis. Perennial | |
| Daisy, Shasta. Perennial | |
| Delphinium. Perennial Larkspur | |
| Digitalis. Foxglove. Perennial | |
| Forget-Me-Not. Myosotis. Perennial | |
| Gaillardia. Perennial | |
| Geranium. Assorted colors | |
| Gypsophila. Baby's Breath. Perennial | |
| Heliotrope. Tender perennial | |
| Hollyhock, Double. Perennial. Mixed colors | |
| Hollyhock, Single. Perennial. Mixed colors | |
| Lavender. Perennial | |
| Lily of the Valley. Convallaria | |
| Lobelia, Trailing. Annual | |
| Lobelia, Dwarf. Compacta. Annual | |
| Marigold, Tall. Annual. Mixed colors | |
| Marigold, Dwarf. Annual. Mixed colors | |
| Pansy. Mastodon. Assorted or mixed colors | |
| Pelargonium. Lady Washington Geranium. Tender perennial | |
| Petunia. Mixed colors | |
| Phlox. Perennial. Mixed colors | |
| Pinks. Hardy Garden. Perennial | |
| Primrose, Japanese. Tender perennial | |
| Salvia. Scarlet Sage. Tender perennial | |
| Snapdragon. Antirrhinum. Annual. Mixed colors | |
| Stocks. Ten Week. Mixed colors. (Seedlings, Doz., 40c) | |
| Sweet William. Dianthus. Perennial (Seedlings, Doz., 40c) | |
| Tritoma. Red-hot Poker. Perennial | |
| Vinca. Periwinkle. Perennial | |
| Viola. Tufted Pansy. Perennial | |
| Violet, Sweet. Perennial | |
| Wallflower. Perennial. Mixed colors (Seedlings, Doz., 50c) | |



Mastodon Pansies

GLADIOLUS

The Pacific Northwest produces the most splendid blooms of Gladiolus to be found anywhere, and they are among the most popular as well as attractive and easily grown summer-flowering garden plants. There are few things equal to the splendid effects produced with them. They bloom during the whole season from July until late fall, and the colors are exquisite. Our bulbs are of the finest quality procurable, and our list of varieties is of the choicest.

Plant the bulbs early in spring, in a sunny position, in any good soil except stiff clay, six to nine inches apart, small bulbs two inches deep and large bulbs four inches deep. For a continuous succession of bloom, plant at intervals of about two weeks during the spring and early summer. Supply plenty of water, particularly at the time that the buds begin to show color. In fall, before freezing, the bulbs should be dug, the tops allowed to dry, after which the dry tops, earth and old bulbs can be removed. Store in a cool, dry place, secure from frost until spring.

Alice Carey. An excellent nearly clear white variety. Perianth pure white with solferino-red splashes in throat. The spike is tall, erect, with a good number of blooms. The plant is vigorous and compact. Each, 15c; Doz., \$1.25

America. Very light pink, beautifully tinted with lavender. Flowers and spike of largest size. One of the finest. Each, 10c; Doz., 75c

Baron Joseph Hulot. The finest of the blue shades. Full round flowers of rich, velvety purple-violet, lighter in the throat, with a small golden rib through the lower petals. Each, 15c; Doz., \$1.25

Brenchleyensis. One of the most effective for massing. Very rich, brilliant, dark scarlet. Each, 10c; Doz., 75c

Chicago White. One of the smaller varieties. Pure white with a slight pencil mark of violet in the center of each lower petal. Each, 15c; Doz., \$1.25

Crackerjack. Dark, rich, velvety red; throat spotted yellow and maroon. Good shape and color. Each, 10c; Doz., \$1.00

Glory of Holland. Large, pure white tinted rose. A strong, healthy grower and free bloomer. Each, 15c; Doz., \$1.25

Halley. Immense flowers of bright orange-rose, with a softer yellowish tint in the throat. Each, 10c; Doz., \$1.00

Ida Van. Cardinal-red with a few markings of deeper red in the throat. Compact bloom. Vigorous plant. Each, 15c; Doz., \$1.25

Kunderdi Glory. A very striking variety with fluted or ruffled petals. Flowers very large, delicate cream-pink with a crimson stripe on each lower petal. Each, 15c; Doz., \$1.50

Mrs. Francis King. A most effective variety for decorations. Spikes extra long; flowers brilliant pink blazed with vermillion. Each, 10c; Doz., 75c

Mrs. Frank Pendleton. Bright rose-pink, shading to a deeper pink at center of petals. Very large. Each, 15c; Doz., \$1.50

Mrs. Watt. One of the most beautiful new varieties. An excellent deep red, one solid color. The finest of this color. Each, 15c; Doz., \$1.25

Niagara. Delicate creamy yellow shaded or splashed with rosy carmine in the throat. Fine, large flowers and strong stems. Each, 15c; Doz., \$1.50

Panama. A beautiful deep pink, with large well expanded flowers on a tall spike. A grand variety. Each, 10c; Doz., \$1.00

Peace. A grand white flower, very large, with pale violet feathering on lower petals. Each, 15c; Doz., \$1.25

Principeine. Vermillion-red; throat cream-yellow blotted with geranium-red. An excellent variety. Each, 10c; Doz., \$1.00

Rouge Torch. A compact bloom of fine color; amber-white, suffused with salmon-carmine, blotted with deep carmine-red. Each, 15c; Doz., \$1.50

Sulphur Queen. A long spike of clear sulphur-yellow flowers. A vigorous plant and excellent bloomer. Each, 10c; Doz., \$1.00

Willy Wigman. Large flowers; creamy white with red throat. Each, 10c; Doz., \$1.00

Mixed Gladiolus. A splendid mixture of many of the finest varieties and colors. Dozen, 75c; 100, \$5.50

PEONIES

Peonies are among the grandest of flowers, and reach their highest state of perfection in the mild, moist climate of the Pacific Northwest. They may be planted early in spring, but it is best to plant in September or October. Do not plant too deeply. Two or three inches of soil above the eyes is sufficient. They require no special care or cultivation, except that once every eight or ten years the roots should be taken up, divided, and reset.

Couronne D'Or. A magnificent white Paeony, of large size, reflecting yellow, center petals bordered carmine. A late blooming flower of great beauty. Very fragrant. Each, 75c

Festiva Maxima. Very popular, of rare beauty and size, and one of the earliest. Perfectly double, pure white flaked with a small crimson spot at the center. Each, 75c

Fragrans. Deep rose. A late and prolific bloomer. Tall growing. Very fragrant. Each, 75c

Louis VanHoutte. Semi-rose type. Late mid-season. Very fine, shapely bloom; medium size. Color bright violaceous red of dazzling effect. Each, 75c

Officinalis Rubra. Flowers bright scarlet-crimson, double and globular. Very early. Each, 75c

Officinalis Alba. Early, large and handsome. Opens light pink, changing to white as flowers mature. Each, 75c

Officinalis Rosea. A gorgeous light pink. Blooms by Memorial Day in the Northwest. Very hardy. Each, 75c

CALLA LILY

These very showy summer-flowering bulbs should be treated similar to Gladiolus. The bulbs should be taken up in fall and stored like potatoes.

Golden Yellow. (Richardia Elliottiana) Flowers of a rich, velvety, golden yellow; foliage dark green with creamy white spots. Each, 30c; Doz., \$3.00

White Calla Lily, or Lily of the Nile. Large, white, trumpet-shaped flowers. Each, 20c; Doz., \$2.00

HYACINTHS, TULIPS, NARCISSUS, DAFFODILS, CROCUS AND FREESIAS

We make a specialty of Holland Bulbs, handling a complete line of the choicest varieties in immense quantities. We have ordered direct from the most reliable growers in Holland, a splendid stock of the finest bulbs procurable; fully equal to those handled by us in past seasons. These bulbs will be listed in our Fall Book. If you do not receive a copy about the first of October please ask for it.



Gladiolus

MONTBRETIA

The Montbretias are among the brightest of our summer-flowering bulbs, and should be planted extensively. A dozen bulbs set six inches apart, in a sunny position, will form a large clump, producing a great number of graceful spikes a foot long, each bearing twenty to thirty showy, star-shaped flowers about two inches across.

Crocosmiaeflora. Deep golden-orange. Doz., 30c; 100, \$3.00



DAHLIAS

Dahlia tubers may be planted any time after danger of hard frost is past in early spring until early in June; later plantings are to be preferred. Any good garden soil except stiff clay is suitable. Highly nitrogenous fertilizers should not be used in too liberal quantities. The soil should be thoroughly drained and deeply dug. The tubers should be placed on their

sides and covered about three inches above the eye, three to four feet apart. All but one or two of the strongest shoots should be cut off below the surface of the ground, and remaining shoots supported by being tied to stakes. Water only when the plants show signs of needing it; then water thoroughly and do not water again until it is needed. The finest flowers will be produced by disbudding, leaving only the terminal buds. After the plants are killed by frost, take them up, allow them to dry in the sun, then cut off the top three inches from the tubers and store the tubers where they will be protected from frost, and cover with sand to prevent shriveling.

Cactus Dahlias

| | | |
|--------------------------------------|--|--------------|
| Alabaster. | Large, pure white, of greatest depth. | Each, \$1.00 |
| Alderman. | Golden orange with deeper reddish tints | Each, 50c |
| Auburn Beauty. | Large; light bronze-red, yellow center | Each, 75c |
| A. R. Perry. | Large incurved flowers; old rose tipped with gold | Each, 75c |
| Attraction. | Large; rosy lilac; extra stout stems. | Each, \$1.00 |
| Arthur Pickard. | Beautiful salmon-pink; long incurved petals | Each, 35c |
| Bridal Robe. | White. Large, full flowers on long stems. | 50c |
| Cambrian. | Clear salmon lightening to yellow at tips. Incurved. | 50c |
| Captain Scott. | White; good stems; constant bloomer. | 50c |
| Chrysanthemite Albert Delaux. | Hybrid; velvety crimson; large. | 35c |
| Conquest. | Immense flowers; strong stems; crimson-maroon. | 50c |
| Country Girl. | Golden-yellow suffused at tips with salmon-rose. | 35c |
| Curlew. | Old rose. Very large, full flowers. | 50c |
| Dr. Baker. | Crimson-scarlet. | 50c |
| Dr. Roy Appleton. | Light lemon-yellow shaded salmon; straight petals. | 50c |
| Edith Carter. | Bright yellow shaded rosy carmine. | 75c |
| Estandard de Lyon. | Immense flowers; rich carmine-rose. | 50c |
| Fascination. | Lavender-pink; finely formed flowers. | 75c |
| F. Grayham. | Salmon-rose. | 50c |
| F. W. Fellows. | Giant orange cactus; long, narrow petals. | 75c |
| Gen. Smith Dorrien. | Fiery scarlet; large; incurved; free flowering. | 75c |
| George L. Stillman. | Rich, velvety, light salmon. Immense flowers. | \$1.00 |
| Golden Gate. | Rich golden-yellow, shaded bronze. | 75c |
| Golden Wave. | Rich, deep, pure yellow; large; incurved. | 50c |
| Golden West. | One of the best. Golden yellow. Strong stems. | 75c |
| Goliath. | Yellow, suffused and shaded salmon. | 50c |
| Gwendolin Tucker. | Silvery-pink; very large; incurved. | 50c |
| Henrietta. | Hybrid. Orange-red. Large. | 35c |
| Hoffung. | Beautiful chamoise-rose with light yellow at base. | 50c |
| Hugh McNeil. | A distinct shade of pure, deep, lilac-pink. | 75c |
| Irresistible. | Yellow suffused with rose; large; incurved. | 75c |
| Janet Cross. | Rich salmon-pink, yellow petals in center. | 50c |
| J. H. Jackson. | Brilliant crimson-maroon. | 25c |
| Johannesburg. | Bright gold with glittering sheen. Immense size. | 35c |
| John Riding. | Enormous, deep, rich crimson flowers; incurved. | 50c |
| Jupiter. | Pink and yellow, splashed and streaked crimson. | 50c |
| Phenomenal. | Pale salmon with yellow base; large. | 75c |
| Pierrot. | Amber, tipped with white. A striking novelty. | 50c |
| Reine Cayeux. | Rich, glowing red; early. | 35c |
| Reliable. | Buff and fawn. | 50c |
| Reinischer Frohsheim. | Carmine-rose, white at base. | 50c |
| Richard Box. | Clear light yellow; large; incurved. | 50c |
| Ruby Grinstead. | Soft yellow suffused with rosy fawn. | 50c |
| Scorpion. | Clear light yellow; incurved like chrysanthemum. | 50c |
| Starlight. | Deep yellow; good stems; large, excellent. | 50c |
| Sweet Briar. | A lovely shade of rose-pink; incurved. | 35c |
| Thuringa. | Orange-scarlet; large; good stems. | 25c |
| The Quaker. | White, delicately suffused with soft pink. | 35c |
| Tiara. | Orange-red; distinct yellow at base. | 50c |
| Tokio. | Silvery rose, suffused carmine. Extra large. | 75c |
| Tom Lundy. | Hybrid. Bright velvety red; immense size. | 50c |
| Ursa Major. | Yellow and red, striped. | 50c |
| Valparaiso. | A large flower of pleasing coral color. | 75c |
| White Ensign. | White blooms standing erect on stout stems. | 50c |
| Wodan. | Salmon-rose, shaded with gold. | 35c |
| Wyman Castigan. | Pure lavender. | 50c |
| Yellow King. | Chrome-yellow. Petals very long and twisted. | 50c |
| Meyerbeer. | Crimson overlaid with rich maroon; large. | 75c |
| Mme. Von Bystein. | Lilac-blue; large, with curled petals. | 50c |
| Mondschabe. | Deep canary-yellow; extra large. | 75c |
| Nez Ferce. | Orange and copper. | \$1.00 |
| Nora Lindsey. | Dove-color suffused chamois and pink. | 75c |
| Olequah. | Large flowers; rosy cerise. | 35c |
| Pink Beauty. | A beautiful delicate pink. | 35c |
| Queen Emma. | Lavender-pink; very large. | 35c |
| Tahoma. | Yellow, suffused with buff and pink; immense size. | 50c |
| Titan. | Rosy-cerise; large flowers. | 50c |
| Turner. | Lovely peach-pink; of large size. | 50c |
| Van Dyck. | Salmon-rose shade, tinted lavender; immense. | 50c |
| Wadawannock. | Bright coral-red; broad, flat petals. | 50c |

Show Dahlias

| | | |
|----------------------------|---|-----|
| Caleb Powers. | Delicate shell-pink; large and good form. | 35c |
| Maud Adams. | Snowy white overlaid with delicate pink. | 50c |
| Rose. | Rose-pink. | 35c |
| W. T. Rawlings. | Lemon-yellow. | 35c |
| W. W. Rawson. | White, overlaid with lavender blush; quilled. | 35c |
| Bertha Von Suttner. | Salmon-pink, shaded yellow; large. | 35c |
| Cream Wodan. | Pure white with golden yellow center. | 50c |
| Dr. Peary. | Gigantic flowers of reddish mahogany color. | 50c |
| Dormouse. | Crimson-maroon, of large size. | 50c |
| Geisha. | Attractive combination of scarlet and gold. | 50c |
| Geishason. | Red and gold; larger than Geisha. | 50c |
| G. H. James. | Light cream; reverse side clouded cerise. | 50c |
| Golden Potlatch. | Lemon; very large and fine. | 75c |
| Hi Gill. | Yellow with coppery sheen; large; long stem. | 35c |
| H. J. Lovink. | Dainty shade of lilac on white ground; large. | 35c |
| Improved Desax. | Beautiful lemon-yellow shading to white. | 35c |
| Isaquah. | Lavender-pink; immense flowers with strong stems. | 50c |
| John Green. | Clear yellow changing to fiery scarlet. | 50c |
| J. W. Jansen. | Rosy salmon with a shade of yellow. | 50c |
| Katherine Jergens. | Velvety maroon. | 35c |
| La Conner. | Rose-pink tinged with autumn tints. | 35c |
| La Rianthe. | Bright lilac. | 35c |
| Marguerite Du Vol. | White and yellow; fragrant. | 25c |

Pompom Dahlias

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|---------------------|---|-----|
| Admiral Dott. | Pink with lavender tinge..... | 35c |
| Bobby. | Plum-color; very fine; free-flowering..... | 25c |
| Brunette. | Crimson, tipped pink..... | 35c |
| Clara Harsh. | Pretty flowers of yellow, tipped crimson..... | 25c |
| Darkest of All. | Deep maroon, almost black; long stems..... | 35c |
| Fairy Queen. | Sulphur-yellow, edged pink..... | 25c |
| Fascination. | Pink and lavender..... | 50c |
| Fashion. | Bright orange..... | 25c |
| Imp. Little Herman. | Carmine, shaded garnet, tipped white..... | 25c |
| Jessica. | Buff, slightly speckled red..... | 25c |
| Little Jennie. | Primrose-yellow; a beautiful flower..... | 25c |
| Madeline. | Primrose, edged rosy carmine..... | 25c |
| Mary Clift. | Light maroon; a very compact flower..... | 25c |
| Prince Charming. | Cream, tipped shade of purple..... | 25c |
| Snowclad. | Pure white; a dainty little flower..... | 25c |
| Vivid. | Rich, bright scarlet..... | 25c |
| Winifred. | White, tipped lavender; very small and perfect..... | 25c |
| Zoe. | Clear yellow..... | 25c |

A CHOICE COLLECTION OF ONE DOZEN DAHLIAS, Various Types, Varieties and Colors, Our Selection.....\$2.25

ROSES

Two Year Old, Field Grown, Budded Stock

Roses, the most beautiful of flowers, are especially grand in the Pacific Northwest, where our climate is ideal for their most perfect development. In this locality they may be planted almost any time during the late fall, winter, or early spring. Any good, deep, well drained garden soil is suitable. They should be located where they will be in the sunlight during the greater part of the day, protected from winter winds, but away from trees and buildings. Poor drainage, shade and poor air circulation are liable to induce mildew.

The plants should be set two to four feet apart, according to variety and manner in which they are to be pruned. Holes should be made much larger and deeper than is necessary to receive the roots. They should be partly filled with rich soil or compost, the roots should be spread out in a natural position and fine dirt worked in among them and packed down firmly.

Plant only strong, healthy plants with good roots. Poor plants will never become good bushes, and are not worth bothering with. Cut out all dead wood and prune tops back to three or four eyes. Cut off ends of roots, and remove any damaged roots.

Although good rose bushes are very scarce this season, we have been very fortunate in securing a large stock of exceptionally good quality. They are all two year old, field grown budded stock.

New and Choice Varieties

BRITISH QUEEN. (H. T.) Pure white. The buds have a slight tinge of pink which disappears as the flowers expand. Petals reflexed; very fragrant. One of the best white roses.....\$1.00

CHATEAU DE CLOS VOUGEOT. (H. T.) A splendid very dark red rose. The color varies from a deep velvety scarlet, shaded bright red, to dark velvety crimson as the rose expands.....\$1.00

CHEERFUL. (H. T.) A fine new rose with unique coloring, rich orange overspread with flame shade, with base of petals orange-yellow. Good growth and foliage.....\$2.00

CLIO. (H. P.) Very free-blooming, and a strong and healthy grower. The color is delicate flesh-color shaded rosy pink in center. Very large and of fine globular form.....\$1.00

COLUMBIA. (H. T.) A grand new American pedigree rose. The flowers are bright rose-pink of immense size and elegant form. The splendid dark green foliage is free from mildew.....\$2.00

GORGEOUS. (T.) One of the finest of the newer roses. Flowers are large, full, exquisitely formed and are produced in great profusion. The color is most gorgeous, deep orange heavily veined with reddish copper. The plant is compact and hardy.....\$1.25

GOLDEN EMBLEM. (T.) A wonderful coloring, yellow cadmium toning to sunflower-yellow. Surpasses Marechal Neil in form.....\$1.50

HADLEY. (H. T.) A grand new dark colored American rose of wonderful substance and texture. The buds are of elegant shape and the flowers perfectly formed. The color is deep velvety crimson, sometimes shaded black, retaining its brilliancy at all times of the year.....\$1.00

HCOISIER BEAUTY. (H. T.) A splendid rose of recent introduction. The flowers are dark crimson shaded with maroon and veined with black. Buds of beautiful pointed shape.....\$1.25

KILLARNEY BRILLIANT. (H. T.) Best of the Killarney type. Beautiful, long, pointed buds. Color, clear, deep rose-pink.....\$1.00

LADY HILLINGDON. (H. T.) An ideal yellow rose with a splendid long bud. It blooms continuously throughout a long season, and is unsurpassed as a cut flower. The color is deep apricot-yellow of an especially rich tone.....\$1.00

LAURENT CARLE. (H. T.) One of the richest and most brilliant colored roses. Beautiful shaped buds expanding into large, full blooms. The color is rich, velvety carmine shaded to bright scarlet. A continuous bloomer.....\$1.00

LOS ANGELES. (H. T.) A splendid new American rose. The buds are long and pointed, expanding into flowers of fine size and form. The color is luminous flame-pink, toned with coral and shaded golden yellow at base of petals. Very fragrant.....\$1.75

LOUISE CATHERINE BRESLAU. (H. T.) Coral red, shaded chrome yellow, opening into a large well formed flower of shrimp pink shaded coppery orange.....\$1.00

LYON. (H. T.) The remarkable shades of color in this beautiful rose make it one of the most popular of the newer varieties. The buds are a beautiful coral red with golden yellow at base of petals. The flowers are a superb shrimp-pink color with salmon and chrome-yellow shadings.....\$1.00

Decorative Dahlias

| | | |
|-------------------|---|-----|
| Admiral Dewey. | Purple..... | 25c |
| Albert Manda. | Light yellow, suffused pink; large..... | 50c |
| Byron. | Crimson-maroon. Beautiful for a cut flower..... | 50c |
| Delice. | Bright pink suffused with lavender-pink..... | 35c |
| J. M. Goodrich. | Salmon-pink, tipped yellow..... | 50c |
| Jane Selby. | Delicate mauve-pink..... | 50c |
| Juno. | Maroon. Very showy..... | 35c |
| Le Grand Manitou. | Striped with reddish violet on white..... | 25c |
| Lily White. | Waxy white..... | 35c |
| Mina Burgle. | Deep scarlet, solid center; large and fine..... | 35c |
| R. H. Mahaney. | A beautiful shade of lavender; large..... | 35c |
| Seabright. | Orange-buff; immense flowers..... | 35c |

Collarette Dahlias

| | | |
|------------------|--|-----|
| Dante. | Purplish velvety crimson, with clear white collar..... | 50c |
| Louis Blackman. | Red with white collar..... | 50c |
| Maurice Rivoire. | Rich maroon; white fringed collar..... | 35c |
| Red Wing. | Red and white; very large..... | 50c |
| Swallow. | Pure white; white collar..... | 50c |



MADAME EDOUARD HERRIOT. (Pern.) A fine French rose of vigorous growth and spreading habit. The buds are long and pointed, of deep coral-red color, shaded to orange-yellow at base of petals. The flowers are finely formed and are a wonderful shade of rosy scarlet flushed with shrimp and apricot tints.....\$1.00

MADAME MELANIE SOUPERT. (H. T.) A superb everblooming rose of vigorous growth and free branching habit. The long, pointed buds are of elegant form, and open into very large fluffy flowers of great beauty. The color is golden-yellow shading to orange-yellow at base of petals, flushed with orange-pink.....\$1.00

MAMAN COCHET, RED. (T.) A vigorous grower, producing superb flowers in great profusion. The buds are beautifully formed, long and pointed. Cherry red on outer petals, lighter within.....\$1.00

MRS. AARON WARD. (T.) One of the most beautiful of the newer roses. The color is deep golden orange shading to creamy yellow at edge of petals.....\$1.00

OPHELIA. (H. T.) An entirely distinct color, a delicate salmon, with petals prettily edged with rose, while the center of the flower is a rich mingling of orange and copper shades. The beautifully formed buds and flowers are among the most popular for cut flowers.....\$1.00

SUNBURST. (H. T.) A splendid yellow rose. The buds are long and of most beautiful form opening into a gorgeously colored flower of rich cadmium-yellow shaded with orange and copper.....\$1.00

TIP TOP. (Poly.) A tiny rose, similar in size and form to Cecil Brunner, but quite distinct in color, which is golden yellow tipped with carmine-rose.....\$1.00

WILLOWMERE. (Pern.) A very rich and striking new French rose, vigorous in growth and free in bloom. The buds are coral-red suffused with carmine, opening into a large, full flower of rich shrimp-pink, shaded to yellow at the center.....\$1.00

Moss Roses

The old-fashioned Moss Roses are very pretty and interesting. There is a renewed demand for them, and to supply that demand we have procured good stocks of the following colors.

| | |
|--------------------------------|-----------|
| Red Moss Rose. | Each, 75c |
| White Moss Rose. | 75c |
| Pink Moss Rose. | 75c |
| Climbing Moss Rose (La Pauli). | 75c |

Use Invicta Spray for Aphids and other pests on Roses.

Tree or Standard Roses

| | |
|--|--------|
| Standard or Tree Roses are produced by budding any desired variety tall stems, grown for that purpose, about three feet from the ground, forming very attractive, small, sturdy trees. We have a fine stock of the following choice varieties. | |
| GENERAL MCARTHUR. (H. T.) Dazzling crimson-scarlet. One of the best red roses..... | \$2.50 |
| HOOSIER BEAUTY. (H. T.) Rich, dark, velvety red. Buds and flowers of superb form..... | \$3.00 |
| LADY HILLINGDON. (H. T.) Deep apricot-yellow. Beautiful long, pointed buds and large flowers..... | \$3.00 |
| LOS ANGELES. (H. T.) Luminous flame-pink toned with coral and shading to translucent gold at base of petals..... | \$3.00 |
| LYON. (H. T.) Shrimp-pink shading to salmon and chrome-yellow at center. Buds of beautiful form. Highly perfumed..... | \$3.00 |
| MADAME EDOUARD HERRIOT. (Pern.) Coral-red shaded yellow at base of petals. Flowers large. A free-bloomer..... | \$3.00 |
| MRS. CHARLES RUSSELL. (H. T.) A beautiful shade of rosy pink. Blooms large and full. Sometimes called Pink American Beauty..... | \$2.75 |
| OPHELIA. (H. T.) Salmon-pink shaded rose and yellow at base of petals. Buds and flowers beautifully formed..... | \$3.00 |
| SUNBURST. (H. T.) Beautiful, long, pointed, orange-yellow buds, becoming deeper toward the center..... | \$3.00 |



Climbing, Pillar and Rambler Roses

| | |
|---|--------|
| American Pillar. (Wich.) Very large single flowers; a lovely shade of apple-blossom pink with a clear white eye and yellow stamens..... | \$1.00 |
| Climbing American Beauty. (H. P.) Large, rich, brilliant crimson flowers of elegant form and very fragrant..... | \$1.00 |
| Climbing Belle Siebrecht. (H. T.) Beautiful long graceful buds and large well formed flowers of bright, deep pink..... | \$1.00 |
| Climbing Cecile Brunner. (Poly.) Beautiful, miniature, rosypink flowers in clusters; same as Cecile Brunner except that it is a climber..... | 75c |
| Climbing Frau Karl Druschki. (H. P.) Pure white when fully opened. Large, full flowers of splendid form..... | \$1.00 |
| Climbing Liberty. (H. T.) A splendid climber of recent introduction. Rich, velvety crimson. Large and very double..... | \$1.00 |
| Climbing Mme. Caroline Testout. (H. T.) Bright satiny pink. Very large and of splendid form..... | 75c |
| Climbing Meteor. (H. T.) Rich velvety crimson. A robust climber and constant bloomer..... | \$1.00 |
| Climbing Papa Gontier. (T.) Vivid cherry-red shaded yellow. Identical with Papa Gontier except that it is a climber..... | 75c |
| Climbing Sunburst. (H. T.) Rich cadmium-yellow shaded orange and copper. Same as Sunburst in form and color..... | \$1.25 |

Best of the Popular Roses

| | |
|---|--------|
| American Beauty. (H. P.) Rosy crimson, exquisitely shaded and very handsome. Extra large, full flowers..... | 75c |
| Arthur R. Goodwin. (Pern.) A superb combination of coppery orange and red expanding to salmon-pink..... | 75c |
| Austrian Copper. (A. B.) A beautiful single flowered rose. Rich copper-colored flowers are borne in clusters..... | 75c |
| Baby Rambler. (Poly.) A dwarf Crimson Rambler..... | 75c |
| Beaute de Lyon. (Pern.) A large refined flower of rich coral-red nicely shaded with yellow..... | 75c |
| Belle Siebrecht. (H. T.) Beautifully formed, long, tapering buds with reflexed petals. Color, imperial pink..... | \$1.00 |
| Betty. (H. T.) Beautiful coppery-rose overspread yellow..... | 75c |
| Cecil Brunner. (Poly.) Very small, beautiful salmon-pink buds. The Baby Pink or Sweetheart Rose..... | 75c |
| Edward Mawley. (H. T.) Intense crimson-scarlet with velvety sheen. A splendid Irish rose of large size..... | \$1.00 |
| Frau Karl Druschki or Snow Queen. (H. P.) Pure white when fully opened. Immense flowers of splendid form..... | 75c |
| General Jacqueminot. (H. P.) Very rich, velvety crimson..... | 75c |
| General McArthur. (H. T.) Vivid crimson-scarlet. Splendid..... | 75c |
| George Dickson. (H. T.) Velvet blackish crimson..... | 75c |
| Irish Elegance. (H. T.) The buds are bronze-orange, opening into large single flowers of lighter shade..... | 75c |
| Irish Fireflame. (H. T.) A beautiful single rose with elegant buds of orange-crimson opening yellow, flushed crimson..... | 75c |
| J. B. Clark. (H. T.) Rich crimson. Large and fragrant..... | 75c |
| Jonkheer J. L. Mock. (H. T.) Finely formed buds and flowers. The color is a combination of bright red and salmon-pink..... | 75c |
| Joseph Hill. (H. T.) A strong grower with heavy canes and dark foliage. Immense flowers of shades of salmon, pink and gold..... | 75c |
| Jubilee. (H. T.) Dark red. Long buds on stout stems..... | 75c |
| Juliet. (H. T.) Old gold on outside, rosy red on inside..... | \$1.00 |
| Kaisserin Augusta Victoria. (H. T.) A beautiful white rose, sometimes with a creamy tint. Large, pointed buds..... | 75c |
| Killarney. (H. T.) Long, beautifully formed buds and fine semi-double flowers. An exquisite shade of shell pink..... | 75c |
| La Detroit. (H. T.) Shell pink shading to soft rose-pink in the center..... | 75c |
| La France. (H. P.) An old favorite and still one of the most beautiful. Delicate silvery rose. Fine form..... | 75c |
| Liberty. (H. T.) Rich velvety crimson. Free flowering..... | 75c |
| Mme. Abel Chatenay. (H. T.) Beautiful large buds and blooms with recurved petals. Rose-pink tinged with salmon..... | 75c |
| Mme. Caroline Testout. (H. T.) One of the best and most popular roses. A beautiful clear pink. Very large and fine form..... | 75c |
| Mme. Ravery. (H. T.) Long pointed buds of beautiful golden yellow color, large, full, orange-yellow flowers..... | \$1.00 |
| Maman Cochet. (T.) Deep rose-pink, the inner petals silvery rose shaded golden yellow..... | 75c |
| Margaret Dickson. (H. P.) White with pale nesh center..... | 75c |
| Marquise de Simitry. A grand new French rose. The color is a beautiful intermingling of copper and yellow..... | \$1.00 |
| Mary, Countess of Lichester. (H. T.) Crimson-carmine..... | 75c |
| Mildred Grant. (H. T.) Light pink suffused with ivory white..... | 75c |
| Miss Kate Moulton. (H. T.) Salmon-pink shaded darker in center..... | 75c |
| Molly Sharmon-Crawford. (T.) Snow white; large; fragrant..... | 75c |
| Mrs. Arthur Robert Waddell. (H. T.) Deep reddish apricot toned with salmon. A beautiful bud..... | 75c |
| Mrs. Charles Russell. (H. T.) Flowers very large, full and globular. Bright, rich cerise shaded to scarlet at center..... | \$1.00 |
| Mrs. John Laing. (H. P.) One of the best bedding roses. A beautiful shade of delicate pink. Large and fragrant..... | 75c |
| Old Gold. (H. T.) Vivid reddish orange with copper and apricot shadings. A very fine bedding rose..... | 75c |
| Orleans. (Poly.) A dainty little flower of deep cerise with white center. Prettiest of the pink "Baby" roses..... | 75c |
| Papa Gontier. (T.) A magnificent red rose; large; semi-double. Vivid cherry-red, shaded yellow, reverse of petals crimson..... | 75c |
| Paul Neyron. (H. P.) The largest rose grown. Deep rose-color. Splendid foliage and habit..... | 75c |
| Prince Camille de Rohan. (H. P.) Very dark rich velvety crimson, passing to maroon shaded black..... | 75c |
| Prince de Bulgarie. (H. T.) A superb rosy flesh shaded with salmon. Beautifully formed buds and large flowers..... | \$1.00 |
| Rayon d'Or. (Pern.) The yellowest of yellow roses. Fine buds and flowers. A favorite for cut flowers..... | \$1.00 |
| Ulrich Brunner. (H. P.) A splendid upright grower with very large, full, globular flowers of rich cherry-crimson..... | \$1.00 |
| White Killarney. (H. T.) A white sport from Killarney; identical in every respect except color, which is creamy white..... | \$1.00 |
| White Maman Cochet. (T.) An excellent pure white rose with all the good qualities of Maman Cochet; large and fragrant..... | 75c |
| Crimson Rambler. (Poly.) A rampant grower and densely covered with very large trusses of small crimson flowers..... | 75c |
| Dr. W. Van Fleet. (H. P.) A good climber, immune from mildew. The color is a beautiful shade of shell pink. Splendid buds and flowers..... | \$1.00 |
| Flower of Fairfield. (Poly.) A true everblooming Crimson Rambler. Brilliant crimson with base of petals white..... | 75c |
| Gloire de Dijon. (H. T.) A magnificent climber, noted for the great size of its flowers, its delicate tea scent and its color, a beautiful blending of amber, carmine and cream..... | \$1.00 |
| Marechal Neil. (Noisette) The buds and flowers are superb; large, double and exquisitely perfumed. Beautiful golden yellow..... | \$1.25 |
| Reine Marie Henrietta. (T.) Large, full flowers; glowing crimson elegantly shaded. A vigorous climber..... | 75c |
| Silver Moon. (H. P.) Very large, single, silver white flowers with yellow anthers. Long stems and splendid glossy green foliage..... | \$1.00 |
| Tausendschon (Thousand Beauties). (Poly.) Large clusters of medium sized flowers of delicate apple-blossom pink..... | 75c |
| Dorothy Perkins. (Cl-Wich.) A splendid pink rambler bearing large clusters of pretty, double, pink flowers..... | 75c |

CANNAS

Cannas are stately and very ornamental plants of semi-tropical appearance, and are very desirable for groups and masses. The plants branch from the roots, with very large, broad leaves, and produce clusters of large flowers, in a great variety of brilliant colors, from August until killed by frost. Following are a few of the most desirable varieties.

| | | |
|--------------------------|---|-------------------------|
| Alphonse Bouvier. | Clear crimson flowers borne in large clusters. | Each, 35c; Doz., \$3.50 |
| | Grows about five feet high. | |
| Florence Vaughan. | Yellow with bright red spots. | Four feet..... |
| | Each, 35c; Doz., \$3.50 | |
| Mme. Crozy. | Vermillion with gold border. | Very pretty. Three |
| | and one-half feet..... | Each, 35c; Doz., \$3.50 |
| King Humbert. | Bears gigantic trusses of immense, brilliant | |
| | orange scarlet flowers streaked with crimson..... | Each, 35c; Doz., \$3.50 |
| Flamingo. | Bright salmon-scarlet..... | Each, 35c; Doz., \$3.50 |
| Niagara. | Deep crimson with wide irregular border of golden | |
| | yellow. Three feet high..... | Each, 35c; Doz., \$3.50 |
| | Extra large plants; grown in four inch pots. | |

CLIMBING AND TRAILING PLANTS

| | | |
|--------------------------------------|--------------------------------------|----------------|
| Akebia Quinata. | Fine Leaved Akebia..... | Each, \$1.00 |
| Ampelopsis Quinquefolia. | Virginia Creeper..... | .75 |
| Ampelopsis Veitchii. | Boston Ivy..... | .75 |
| Ampelopsis Engelmanni. | Similar to Virginia Creeper..... | .75 |
| Ampelopsis Bignonia. | Large, showy flowers..... | .75 |
| Ampelopsis Grandiflora. | Trumpet Vine..... | .75 |
| Ampelopsis Semperfervirens. | Evergreen. Small leaves..... | 1.00 |
| Aristolochia Siphon. | Dutchman's Pipe..... | 1.00 |
| Clematis Henryi. | Large, creamy white jowers..... | 1.00 |
| Clematis Jackmani. | Purple flowers..... | 1.00 |
| Clematis Madam Edouard Andre. | Bright red..... | 1.00 |
| Clematis Paniculata. | Sweet scented Japanese Clematis..... | .75 |
| Euonymus Japonicus Radicans. | Climbing Euonymus..... | .75 |
| Honeysuckle. | Hall's Japanese, or Halleanum..... | .75 |
| Ivy, English. | Hedra Helix..... | .50 |
| Ivy, Maderiensis var. | Leaves edged white..... | .75 |
| Jasmine. | Jasminum..... | .75 |
| Muehlenbeckia. | Wire Vine. Mattress Vine..... | .60 |
| Wistaria, Sinensis Blue. | Blue flowers..... | \$1.50 to 5.00 |
| Wistaria, Sinensis Alba. | White flowers..... | 1.50 to 5.00 |
| Wistaria, Multijuga Purple. | Purple flowers..... | 1.50 to 5.00 |

ORNAMENTAL AND DECIDUOUS SHRUBS

| | | |
|---|-------------------------------------|--------------|
| Azalea Mollis. | Assorted colors..... | \$2.50 |
| Barberry. | Purple leaved..... | .50 to .75 |
| Barberry, Japanese. | Dwarf..... | .50 to .75 |
| Buddleia. | Butterfly Bush or Summer Lilac..... | 1.00 |
| Calycanthus Floridus. | Sweet scented shrub..... | .75 |
| Cherry, Japanese Flowering. | Double. Rose color..... | 2.00 |
| Cherry, Japanese Flowering. | Double. White..... | 2.00 |
| Deutzia, Gracilis Rosea. | Dwarf. Light rose..... | .75 to 1.50 |
| Deutzia, Pride of Rochester. | Tall; double; white..... | .75 to 1.50 |
| Dogwood. | Cornus. Small white flowers..... | .75 to 1.00 |
| Euonymus, Golden. | | 1.00 |
| Euonymus, Japanese | | .75 |
| Forsythia Suspensa. | Drooping Golden Bell..... | .75 to 1.00 |
| Forsythia Fortunei. | Fortune's Golden Bell..... | .75 to 1.00 |
| Forsythia Viridissima. | Golden yellow flowers..... | .75 to 1.00 |
| Hibiscus Althea. | Rose of Sharon..... | 1.00 to 1.50 |
| Hydrangea, Avalanche. | Pure white flowers..... | 1.00 |
| Hydrangea, Bouquet Rose. | Rosy pink..... | 1.00 |
| Hydrangea Hortensis. | Rose colored flowers..... | 1.00 |
| Hydrangea Paniculata Grandiflora | | .75 to 1.00 |

EVERGREEN SHRUBS

| | | |
|---|---|--------------|
| Abelia Grandiflora. | Hybrid Abelia. Pink flowers..... | 1.00 |
| Acuba Japonica. | Japanese Laurel..... | 2.00 |
| Arbutus Unedo. | Strawberry Tree..... | 1.50 |
| Azalea Indica. | Broad leaved evergreen..... | 2.50 |
| Barberis Darwini. | Darwin's Barberry..... | 2.00 |
| Barberis Ilicifolia. | Holly Leaved Barberry..... | .75 to 1.00 |
| Buxus Semperfervirens Suffruticosa. | Dwarf Box..... | .75 to 1.00 |
| Broom, Cytisus Alba. | Spanish Broom. White..... | .50 to 1.50 |
| Broom, Cytisus Scoparius var. Andreanus. | Flowers yellow with brown wings..... | 1.00 to 2.00 |
| Broom, Cytisus Scoparius. | Scotch Broom. Yellow..... | .50 to 1.00 |
| Camellia Japonica. | Assorted colors, Pink, Red and White. Double flowers..... | 3.00 to 5.50 |
| Ceanothus. | California Wild Lilac..... | 1.25 |
| Cotoneaster Horizontalis. | Trailing. Red berries..... | .50 to 1.25 |
| Cotoneaster Microphylla. | Dwarf. Red berries..... | .50 to 1.25 |
| Cotoneaster Simonisii. | Shining Leaf Cotoneaster..... | .75 to 2.00 |
| Cistus. | White Rock Rose..... | 1.25 |
| Diosma. | Breath of Heaven. Small, fragrant, white flowers..... | 1.00 |
| Heather, Erica Vulgaris. | Scotch Heather..... | .75 to 1.00 |

ORNAMENTAL DECIDUOUS TREES

| | | |
|---|---|--------------|
| Ash, Fraxinus Americana. | American White Ash.... | 1.00 to 2.50 |
| Beech, Fagus Purpurea. | Purple Leaved Beech..... | 2.00 to 2.50 |
| Birch, Betula Alba. | European White Birch..... | 1.50 to 2.00 |
| Catalpa Bungei. | Chinese Catalpa..... | 2.50 to 5.00 |
| Catalpa Speciosa. | Hardy Catalpa..... | 1.50 to 2.00 |
| Crab, Flowering. | <i>Pyrus Bechtel.</i> Double. Pink..... | 1.50 to 2.00 |
| Chestnut, Horse. | White flowering..... | 1.25 to 2.00 |
| Chestnut, Horse. | Double flowering. White..... | 1.25 to 2.00 |
| Elm, Ulmus Americana. | American White Elm..... | 1.00 to 2.00 |
| Laburnum. | Golden Chain, 4 to 6 ft..... | 1.50 to 2.50 |
| Laburnum. | Golden Chain, 6 to 8 ft..... | 2.50 to 3.50 |
| Linden, American Linden or Basswood. | | 1.00 to 2.00 |
| Locust. | Black Locust..... | 1.00 to 2.00 |
| Maple, Acer Platanoides. | Norway Maple..... | 1.50 to 2.00 |

LILY OF THE VALLEY

Perfectly hardy, and produce a profusion of delicate, bell-shaped, delightfully fragrant white flowers early in spring. Also splendid for forcing indoors. Each, 10c; Doz., \$1.00; 100, \$7.50



Rhododendron

| | | |
|---------------------------------------|---|--------------|
| Kerria. | <i>Corkchorus Japonica.</i> Globe Flower..... | .75 to 1.00 |
| Lilac. | <i>Syringa Persica</i> var. <i>Alba.</i> White..... | 1.00 to 1.50 |
| Lilac. | <i>Syringa Persica</i> var. <i>Alba.</i> White..... | 1.00 to 1.50 |
| Lilac. | Charles X. French. Single. Purple..... | 1.00 to 2.00 |
| Lilac. | Marie LeGraye. French. Single. White..... | 1.00 to 2.00 |
| Lilac. | Mad. Lemoine. French. Double. White..... | 1.00 to 1.50 |
| Lilac. | President Grey. Double. Pale blue..... | 1.00 to 2.00 |
| Paeony Tree. | Paeony Mouton..... | 2.00 |
| Sumach. | <i>Rhus Typhina Lacinata</i> | 1.00 to 2.00 |
| Syringa, Philadelphus. | Mock Orange..... | .75 to 1.25 |
| Snowball. | <i>Viburnum Opulus Sterilis</i> | .75 to 1.00 |
| Snowball, Japanese. | <i>Viburnum Plicatum</i> | 1.00 to 2.00 |
| Spirea, Anthony Waterer. | Dwarf. Crimson..... | .75 to 1.00 |
| Spirea, Bridal Wreath. | Double. Pure white..... | .75 to 1.00 |
| Spirea, Thunberg's. | Dwarf. Pure white flowers..... | .75 to 1.00 |
| Spirea, Van Houtte. | Most popular. White..... | .75 to 1.00 |
| Tamarix, French. | Flowers pink. Small..... | 1.00 to 2.00 |
| Tamarix, Hispida. | Flowers bright carmine..... | 1.00 to 2.00 |
| Weigela, Candida. | Pure white..... | .75 to 1.00 |
| Weigela, Eva Rathke. | Deep carmine-red..... | .75 to 1.00 |
| Weigela, Rosea Nana Variegata. | Variagated..... | .75 to 1.00 |

| | | |
|--|---|--------------|
| Heather, Erica Vulgaris Alba. | White flowered..... | .75 to 1.00 |
| Laurel, Prunus Laurocerasus. | English Laurel..... | .50 to 3.00 |
| Laurel, Prunus Lusitanica. | Portugal Laurel..... | .50 to 3.00 |
| Laurustinus, Viburnum Tinus. | White flowers..... | 1.00 to 1.50 |
| Mahonia Aquifolium. | Oregon Grape..... | .50 to .75 |
| Mahonia Japonica. | Japanese Mahonia..... | 1.25 to 2.00 |
| Hypericum Hircinum. | Bushy, erect..... | .50 to .75 |
| Hypericum Moserianum. | Gold Flower..... | .50 to .75 |
| Hypericum Japonicum. | Evergreen Euonymus..... | .75 to 1.50 |
| Hypericum Japonicum Alba Marginatus | | .75 to 1.50 |
| Hypericum Japonicum Argenteo Variagatus | | .75 to 1.50 |
| Hypericum Japonica Aureus. | Golden leaved..... | .75 to 1.50 |
| Photinia Arbutifolia. | Toyon. Christmas Berry. California Holly..... | 1.00 |
| Privet, Ligustrum Ovalifolium. | California Privet..... | .50 to 1.00 |
| Privet, Ligustrum Variegata. | Leaves green and gold..... | 1.00 |
| Pyracantha Coccinea. | Burning Bush. Crimson berries..... | |
| | | .75 to 1.00 |
| Veronica. | Cancerwort..... | .50 to 2.00 |
| Rhododendrons. | Fine plants set with flower buds..... | 3.00 to 5.50 |

| | | |
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| Mountain Ash, Sorbus Acuparia. | European..... | 1.00 to 2.00 |
| Peach, Flowering. | Blood Leaved..... | 1.50 to 2.00 |
| Peach, Flowering. | Double. Red Flowered..... | 1.50 to 2.00 |
| Peach, Flowering. | Double. Rose. Fringed..... | 1.50 to 2.00 |
| Peach, Flowering. | Double. White..... | 1.50 to 2.00 |
| Thorn, Crataegus Monogyna Pauli. | Double. Scarlet..... | 1.50 to 2.50 |
| Thorn, Crataegus Monogyna Alba Plena. | White..... | 1.50 to 2.50 |
| Thorn, Crataegus Monogyna. | English Hawthorn..... | 1.50 to 2.50 |
| Thorn, Crataegus Monogyna Punicea. | Single. Pink..... | 1.50 to 2.50 |
| Tulip Tree. | <i>Liriodendron Tulipifera</i> | 1.50 to 2.50 |
| Plum, Flowering. | <i>Prunus Pissardi.</i> Purple Leaf..... | 1.50 to 2.00 |
| Poplar. | <i>Populus Balsamifera.</i> Balm of Gilead..... | 1.00 to 2.50 |
| Poplar. | <i>Populus Carolinensis.</i> Carolina Poplar..... | 1.00 to 2.50 |
| Poplar. | <i>Populus Nigra Italica.</i> Lombardy Poplar..... | 1.00 to 2.50 |

EVERGREEN TREES

| | | | |
|---|------------------|---|----------------|
| Arborvitae. <i>Thuya Occidentalis. American.</i> | Per foot, \$1.75 | Juniper. <i>Juniperas Hibernica. Irish Juniper.</i> | 1.00 to 3.50 |
| Cypress, <i>Lawson</i> | Per foot, 1.00 | Juniper. <i>Variegated Irish Yew</i> | 3.00 to 4.00 |
| Cypress, <i>Erect, Green.</i> 12 to 18 inches | \$1.25 to 1.75 | Holly. <i>English Holly. Berry bearing plants.</i> | Per foot, 1.00 |
| Cypress, <i>Lawson, Yellow</i> | Per foot, 1.00 | Holly. <i>Variegated English Holly. Berry bearing</i> | Per foot, 1.00 |
| Cypress, <i>Lawsoniana Pendula</i> | Per foot, 1.00 | Pine. <i>Pinus Nigra. Austrian Pine.</i> 4 to 7 ft. | \$4.00 to 8.00 |
| Cypress, <i>Lawsoniana Triumph De Beskoop</i> | Per foot, 1.00 | Pine. <i>Montana. Swiss Mountain Pine.</i> | 1.50 to 5.00 |
| Cedar. <i>Deodora, Himalayan, or Indian Cedar.</i> | Per foot, .75 | Retinispora. <i>Plumosa. Plumed Cypress</i> | 1.50 to 2.50 |
| Cedar. <i>Atlantica. Mt. Atlas Cedar.</i> | Per foot, .75 | Retinispora. <i>Plumosa Aurea. Golden Plumed.</i> | 1.50 to 3.50 |
| Cedar. <i>Cedar of Lebanon.</i> | Per foot, .75 | Spruce. <i>White Spruce</i> | 2.25 to 6.00 |
| Juniper. <i>Virginia. Red Cedar.</i> | Per foot, .75 | Spruce. <i>Norway Spruce</i> | 2.50 to 6.00 |
| Juniper. <i>Japanese Creeping Juniper.</i> | \$2.50 to 5.00 | Spruce. <i>Colorado or Koster's Blue Spruce</i> | 2.25 to 6.00 |
| Juniper. <i>Juniperas Sabina. Sabian's Juniper.</i> | 1.00 to 2.50 | | |

NUT TREES

ALMOND. *Nonpareil.* Considered the best variety of the paper shell type. The nut is large, long and narrow; the kernel is of excellent quality. The tree is a strong grower and is inclined to weep, which makes it ornamental as well as useful. One year old, \$1.00
Two and three years old. \$1.50 to 2.00

BUTTERNUT. *White Walnut.* A native of the eastern states. It is a beautiful tree, in addition to supplying large, hard-shelled nuts filled with rich, oily kernels. \$1.00 to \$3.50

CHESTNUT. *American Sweet Chestnut.* Although the nuts are not so large as the Japanese and European varieties, they are of much finer quality. The tree is very ornamental. \$1.50 to \$2.50

FILBERT. *English.* Grows six to ten feet high, is hardy and of the easiest culture. The nuts are nearly round, rich and of excellent flavor. \$1.50 to \$2.50

FILBERT. *Du Chilly.* Of largest size, often more than an inch long and three-quarters of an inch wide; well formed, full fleshed and sweet. \$1.50 to \$2.50

WALNUT. *American Black Walnut.* A handsome, large, spreading tree; perfectly hardy; and bearing great quantities of large, rich nuts. 6 to 8 ft., \$2.50 to \$3.50
8 to 10 ft., 3.50 to 5.00

WALNUT. *English.* A large, ornamental tree, producing delicious thin shelled nuts. \$1.50 to \$2.50

WALNUT. *Japanese.* A very beautiful tree, producing clusters of smooth, hard shelled nuts; sweet and of good quality. \$1.00 to \$2.00

STRAWBERRY PLANTS

Every home garden should have a strawberry bed, for nothing is more thoroughly appreciated than a dish of luscious strawberries fresh from the garden, and the new Everbearing varieties make it possible to have them at any time during the summer and fall.

Strawberries thrive on any good rich garden soil, but it should be liberally fertilized, preferably with bone meal or commercial fertilizer. They should not be planted on fresh sod land, and should not be located near trees or shrubs. The ground should be thoroughly prepared, and the plants set one foot apart in rows not less than two feet apart. The bottom one-third of the roots should be cut off before planting, and the roots should be spread out in a natural position.

After the first hard frost, the bed should be mulched lightly with straw or hay. The mulch should be removed in spring, and the bed cultivated. When the plants are in bloom it is well to cover the ground between the plants to keep the berries clean.

The season of fruiting may be lengthened by removing the first blossoms. All runners should be removed as soon as the fruiting season is past. If any are required for replanting, only the strongest should be saved. New beds should be planted every third year, as old plants are liable to develop disease. The most serious pests are crown borers and white grubs, both of which may be eliminated by the use of Mag-o-tite.

The following varieties are all bi-sexual or staminate, and do not have to be alternated with other varieties to pollinate. They have been carefully chosen as being most suitable for this locality and are carefully grown, sturdy, well rooted, and free from disease:

KELLOGG'S PREMIER. A splendid extra early variety. The plants are vigorous, deep rooted and heavy producers of large, beautifully formed berries, red clear to the center, and of delicious flavor. A splendid shipper and excellent for home use. Dozen, 50c; 100, \$3.00; 1,000, \$20.00

KELLOGG'S DR. BURRELL. Surpasses all other mid-season or second early varieties. The plant is tall, a vigorous grower, roots deeply and resists drought. The berries are large, of fine form, dark red to the very center, and of most delicious flavor. They are good keepers and shippers and are ideal for table use and canning. Dozen, 50c; 100, \$3.00; 1,000, \$20.00

ETTERBURG. One of the newer varieties; of good habit and very prolific. The berries are of good size and form, and the flavor is excellent and unique. A fine keeper and shipper, and splendid for home use and canning. Dozen, 50c; 100, \$3.00; 1,000, \$20.00

New Oregon. An early and continuous bearer, retaining its size and quality throughout the season. The berry is large, firm and handsome; rich dark red extending to the center. The flavor is sweet and delicious. One of the best for home use and canning. Dozen, 50c; 100, \$2.50; 1,000, \$17.50

Clark's Seedling. The Hood River Strawberry. Berries of good size and delicious flavor. Well adapted to dry soils. Dozen, 30c; 100, \$1.75; 1,000, \$12.50

Magoon. A very large berry; sub-acid flavor. Very hardy and a heavy bearer throughout the season. A splendid and very popular variety. Dozen, 30c; 100, \$1.75; 1,000, \$12.50

Marshall. One of the most popular main crop strawberries. Of very large size, fine appearance and excellent flavor. A splendid market berry, and excellent for home use. Dozen, 30c; 100, \$1.50; 1,000, \$10.00

Van Diemen. An excellent new variety, popular with growers around Olalla and other strawberry growing sections. It is a large, very productive and fine appearing main crop berry of deep red color, rich flavor, and is a good shipper. Dozen, 50c; 100, \$2.50; 1,000, \$17.50

Everbearing Strawberry Plants

The Fall or Everbearing Strawberries have become very popular recently, for by disbudding they may be made to produce at almost any time during the summer and until late in fall.

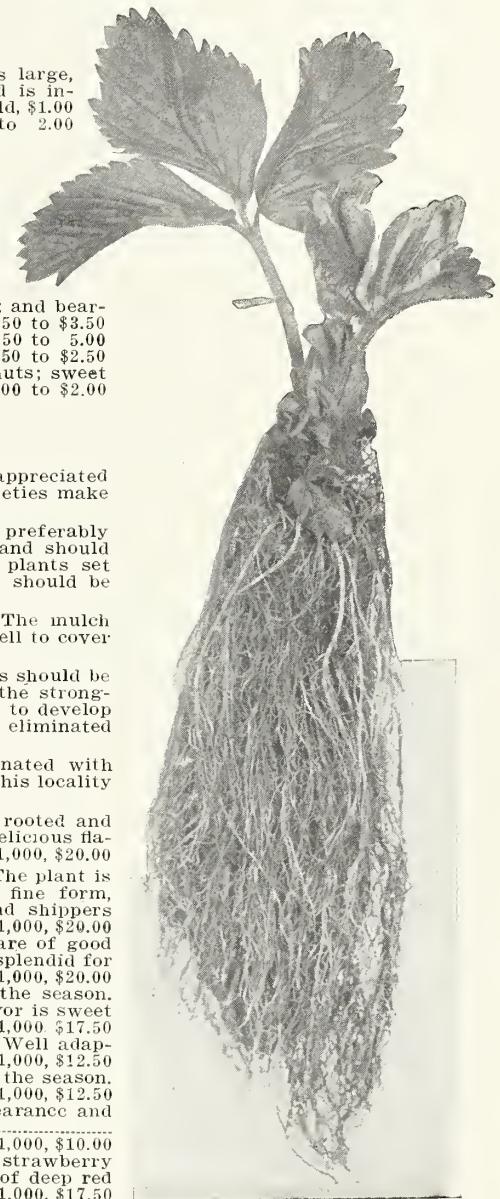
PROGRESSIVE EVERBEARING. The most popular of the Everbearing class. The plants are strong growing and are very productive, of medium to large size; fruits of dark red color, both inside and out, and of sweet, mild flavor. Dozen, 50c; 100, \$3.00; 1,000, \$20.00

SUPERB EVERBEARING. Another valuable Everbearing variety yielding heavily, both early and late, good sized and good colored berries of fine flavor, until late in fall. Dozen, 50c; 100, \$3.00; 1,000, \$20.00



IS A SURE AND SIMPLE CURE FOR
STRAWBERRY CROWN BORER,
WHITE GRUBS AND ROOT MAGGOTS

MAG-O-TITE



RHUBARB ROOTS

Pie Plant or Wine Plant

BANWINE RHUBARB. A new variety claimed to be superior to all others. It is a very early and quick growing variety, and produces very freely extremely large, heavy stalks which are exceedingly tender, brittle and of the finest flavor and color. A peerless variety for either home or commercial gardens. Each, 25c; Doz., \$1.50

Mammoth Victoria Rhubarb. The best known standard variety. Large, tender and early. Each, 25c; Doz., \$1.50

ASPARAGUS PLANTS

Palmetto. Very early and prolific, producing an abundance of very large light green shoots of fine quality. Doz., 35c; 100, \$1.75
One year old roots. Doz., 50c; 100, \$2.50
Two year old roots. Doz., 35c; 100, \$1.75
Conover's Colossal. One of the largest and most generally grown varieties, popular for market and canning. Very large, thick, and white. Doz., 35c; 100, \$1.75
One year old roots. Doz., 50c; 100, \$2.50

APPLE TREES

Robust, Healthy, Two-Year-Old Trees of Best Varieties

Our stock of fruit trees includes only the varieties most desirable in this locality, and those who are not familiar with varieties may plant any of them with the assurance that they will be satisfactory. Although good stock is scarce this season, we are fortunate in being well supplied with stock of excellent quality. They are all fine, sturdy, two year old trees, free from disease.

Prices, all varieties, \$1.00 each. Extra choice stock, \$1.50.

SUMMER VARIETIES

Early Harvest. Ripens in July. Medium size; pale yellow; juicy. Excellent for eating out of hand and for cooking.

Red Astrachan. Ripens in July. Large; deep crimson; rich acid flavor. A popular early market variety.

Yellow Transparent. Medium size; pale yellow; juicy; sub-acid flavor. Ripens in July. Bears young.

FALL VARIETIES

Duchess of Oldenburg. Large; yellow streaked red; crisp with a rich sub-acid flavor.

Fameuse. (Snow Apple) Medium size; round; greenish yellow, streaked red on sunny side; flesh very white.

Gravenstine. Large; striped red and orange. Fine quality; aromatic. Ripens in August. Very popular on the Pacific Coast.

WINTER VARIETIES

Baldwin. A very popular variety in the east, and quite satisfactory on the coast. Large, red, crisp and juicy.

Delicious. Red splashed with golden yellow. Flesh fine grained and peculiarly and deliciously flavored.

Grimes Golden. Golden yellow sprinkled with gray dots. Juicy, rich and highly flavored. A beautiful apple.

Jonathan. Red; fine quality; a good keeper, and productive.

King. Very large; skin red; flesh yellowish; juicy, with a rich vinous flavor.

Ortley. (White Bellflower) Large, oblong; whitish yellow; flesh white, juicy, sub-acid. Very productive.

Mammoth Black Twig. (Paragon.) Large; dark red; flesh pale yellow; juicy; sub-acid; a good keeper.

Northern Spy. Greenish yellow striped purplish red; flesh white; rich, juicy, sub-acid. A good keeper.

Rambo. Medium size. Yellow streaked with red. Sub-acid.

Rhode Island Greening. Large; greenish yellow. Flesh yellow, fine grained; fine sub-acid flavor. A strong grower and productive.

Rome Beauty. Large; yellow shaded and striped with red. Aromatic flavor. A beautiful apple and very popular.

Spitzenberg. Large; oblong; striped bright red on yellowish ground. Flesh yellowish, juicy, delicious rich flavor.

Stayman Winesap. An improved Winesap. Large; red; fine quality and flavor. Very popular east of the mountains.

Tallman Sweet. A popular old sweet apple. Small; yellow; fine flavor; very sweet.

Wagner. Good size; deep red in the sun; flesh firm, fine grained, sub-acid. A good keeper.

Wealthy. Medium size; whitish yellow shaded with deep red. Flesh white, tender and juicy.

Winter Banana. Large; pale yellow with a pink blush; a delightful banana flavor. Fancy market apple. Not a good keeper.

Yellow Bellflower. Large; oblong; yellow; firm, crisp and juicy.

Yellow Newton Pippin. Large; golden yellow; fine, rich flavor. A very popular variety. One of the best keepers.

CRAB APPLES

Prices, all varieties, \$1.00 each.

Extra choice stock, \$1.50.

Hyslop. Fruit large; deep crimson, thick blue bloom; vigorous; heavy cropper.

Red Siberian. Yellow with scarlet cheek. Bears young and abundantly.

Yellow Siberian. Small; beautiful golden yellow; excellent.

Transcendent. Fruit very large; yellow striped red. Productive.

CHERRIES

Prices, One Year Old, \$1.50; Two Year Old, \$2.50

Bing. Sweet. Very large, and of very dark brown or black color. Firm and of delicious flavor. Late.

Black Tartarian. Sweet. Very large; purplish black; tender, juicy and of delicate quality. Vigorous and heavy bearer.

Early Richmond (Kentish). Sour or Pie. Medium size; juicy; rich acid flavor. Early.

English Morella. Sour or Pie. Large; deep red color; rich acid flavor. Tree small.

Lambert. Sweet. Very large size; deep glossy red color; flesh firm and of fine quality.

May Duke. Large; rich dark red; flesh tender, juicy and sub-acid. One of the earliest.

Royal Ann (Napoleon Bigarreau). A splendid cherry of larger size. Pale yellow with bright red cheek. Firm and sweet. Late.

PEARS

One Year Old, \$1.00; Two Years Old, \$1.25; Three Years Old, \$1.50

SUMMER VARIETIES

Bartlett. Large; skin thin; highly flavored. August to September.

Beurre D'Anjou. Large; handsome; fine flavor. September.

Clapp. Very large; yellow and dull red; rich flavor. August.

Flemish Beauty. Large, juicy and rich. September to October.

WINTER VARIETIES

Comice. Golden yellow; fine grained and rich. Oct. to Nov.

Crocker Bartlett. New. Large; golden yellow; rich flavor.

Winter Bartlett. Resembles Bartlett, but larger and later.

Winter Nellis. Medium size; fine grained; rich, aromatic flavor.



PLUMS

SANTA ROSA. A Japanese hybrid plum, new to the Northwest. The fruit is large and fine, uniform in size and free from defects. The skin is rich, deep purple; flesh pale amber near the stone shading to deep crimson near the skin. Unsurpassed in quality and beauty. Ripens very early. Valuable for both shipping and home use.....Price, each, \$2.00

FORMOSA. Another new Japanese hybrid. Fruit large, uniform in size; yellow with pale bloom turning to a rich, clear red; flesh pale yellow; unusually firm, sweet and rich with a delicious apricot flavor. Nearly freestone. Early. Price, each, \$2.00

GAVIOTA. This new Japanese hybrid is medium early, ripening two weeks later than Formosa. The skin is of a deep reddish purple color; the flesh is honey-yellow, fragrant and sweet to the pit, which is so small that it might almost be called seedless.....Price, each, \$2.00

Abundance. Large; bright cherry red; freestone. June. **Bradshaw.** Reddish purple. Adheres partly to the stone. July. **Columbia.** Largest size; nearly globular; freestone. August.

Damson. Small; oval; bluish purple; rather tart. August. **Green Gage.** Small; round; flesh pale green; freestone. July.

Yellow Egg. Very large; deep golden color; rather acid. August. Price, according to size, \$1.25 to \$2.00

PRUNES

Price, One Year Old, \$1.25; Two Years Old, \$2.00

Hungarian. Very large; dark red; juicy and sweet. August.

Italian (Fellemburg). Large; oval; dark purple. Freestone. Aug.

Petite (French). Medium size; egg shaped; violet purple. August.

Silver. Very large; sweet. Superior for drying and canning.

Sugar. Very large; dark purple; rich in sugar. August.

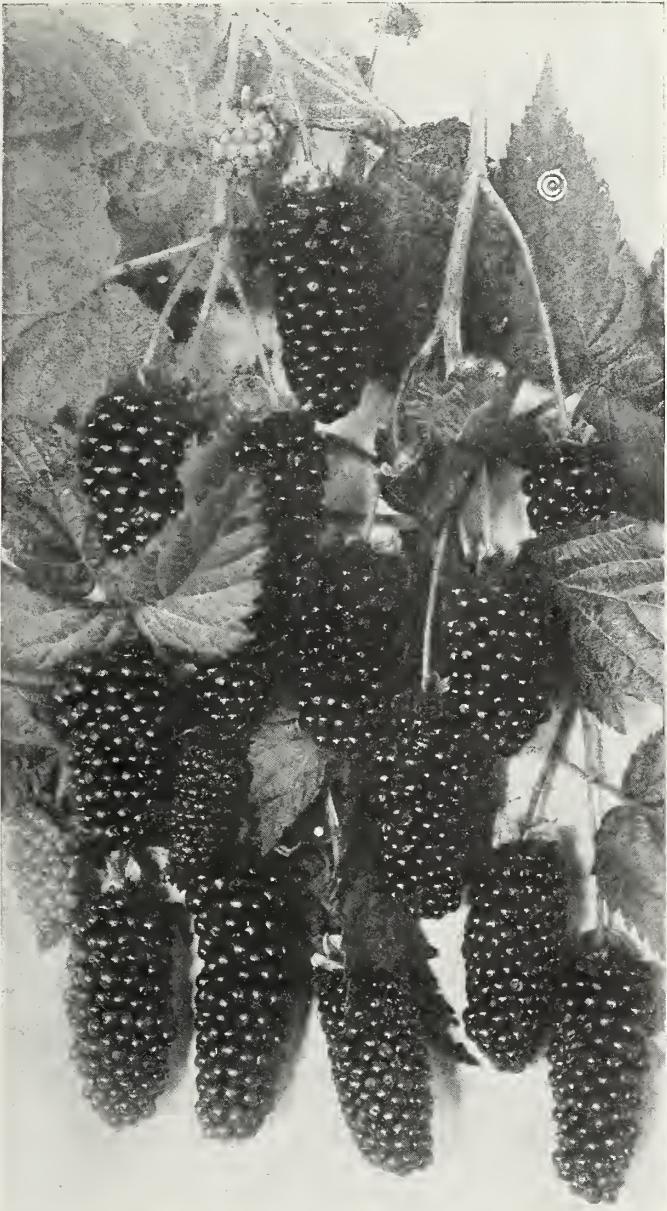
PEACH

One year old, \$1.50; Older stock, \$2.00 to \$2.50**Early Alexander.** One of the largest and best extra early peaches. Skin greenish white flushed red. Flesh juicy and sweet.**Early Crawford.** A fine, large, yellow peach of splendid quality. Tree vigorous and productive. The most popular variety.**Elberta.** Large; bright yellow with red cheek; flesh yellow, juicy and sweet. A strong grower and regular bearer.**Phillip's Cling.** The best clingstone peach. Large, with firm flesh of fine quality, clear yellow to the pit.

MULBERRY TREES

Russian. Valued as an ornamental shade tree, and the fruit is quite popular in some sections. Very rapid growing.

Price, one and two years old, \$1.50



Cory Thornless Blackberry

GRAPES

ISLAND BELLE GRAPE. This variety originated on one of the islands in Puget Sound, and has been grown successfully in this locality during the past fifteen years. It is a large, blue grape, compact clusters, with a flavor very much like the Concord. The vines also bear a striking resemblance to the Concord, but are well adapted to the Pacific Northwest. Each, 50c**Concord Grape.** A large, round, black grape, very early, and with a sweet, pleasant flavor. Each, 50c; doz., \$5.00**Moore's Early Grape.** Large, round, black, with heavy blue bloom; similar to Concord, but earlier. Each, 50c; doz., \$5.00**Moore's Diamond Grape.** Large, compact bunches; greenish white with yellow tinge; good quality. Each, 50c; lb., \$5.00**Niagara Grape.** A popular, large, yellowish white grape. Similar to Concord in quality. Each, 50c; doz., \$5.00**Worden Grape.** A comparatively new variety, a seedling of Concord, which it resembles in appearance and flavor, but it is earlier and the fruit is larger. Each, 50c; doz., \$5.00

QUINCE

One or Two years old, \$1.00 to \$2.00**Champion.** Very large and handsome; color greenish yellow; delicate flavor. Cooks tender without hard spots.**Orange Quince.** Large. Fine golden yellow flesh of excellent flavor.

APRICOT

One year old, \$1.50; older stock, \$2.00 to \$2.50.**Blenheim.** Large; oval; deep orange color. Flesh yellow, rich and juicy. A regular and prolific bearer.**Moorepark.** A very popular variety; one of the largest. Color, orange with a red cheek. Flesh firm and juicy with a rich flavor.**Royal.** Large; oval; yellow with orange cheek faintly tinged with red. Flesh pale orange, firm and juicy, with rich flavor.

BLACKBERRIES

CORY THORNLESS BLACKBERRY. A splendid new blackberry with vigorous, thick, stocky canes, making a growth of twenty to thirty feet in a season, entirely free from thorns, a feature which will surely be appreciated by all who have had anything to do with pruning or picking other blackberries.

In addition to this very important characteristic, the fruit is equal or superior in quality to any other blackberry. It ripens extremely early, and is as large as the Mammoth Blackberry, and similar in form. The flavor is distinct, sweet and delicious, very much like the wild blackberry. It is less acid than the Loganberry, and requires less sugar for preserving. For eating fresh and for shipping it is unequalled; the immense berries are firm, handsome, and carry and keep well.

The ease of picking and pruning are most dominant features, and this will undoubtedly be the most profitable berry for market. Write for prices on large quantities. Each, 50c; Doz., \$5.00

Himalaya Giant Blackberry. A strong, rampant growing plant, very hardy and extremely productive; quite distinct from any other blackberry. The fruit is large, round, black, and when fully ripe has a most delicious flavor. It begins to ripen very early, and continues to bear until very late in fall. Especially valuable for home use. Each, 25c; Doz., \$2.50**Mammoth Blackberry.** A strong growing, trailing plant of distinct type, producing an abundance of mammoth berries, often two and one-half inches long. Very early, of good flavor and the seeds and core are very small and soft. Each, 25c; Doz., \$2.50**Evergreen Blackberry.** Begins ripening early and continues until fall. The berries are large, black, sweet, rich and of delicious flavor. Each, 25c; Doz., \$2.50

RASPBERRIES

LA FRANCE, GIANT EVERBEARING RASPBERRY. This grand berry has excited great enthusiasm in sections of the east where it has been tried out during the past three years, and we are now offering it in this locality for the first time, feeling satisfied that it will meet with your approval.

The fruit is borne on new wood, and literally covers about three feet of each new cane. The berries are of immense size, nearly an inch in diameter, are very meaty, have few seed cells, and are deliciously rich and sweet. The plant is extremely productive; the fruit is firm and a good shipper. Our stock is limited; order early. Price, each, \$1.50

Cumberland Black Raspberry. The best mid-season variety. Although extremely large, it is very firm and a good shipper. Each, 20c; Doz., \$1.75**Cuthbert Red Raspberry.** A very popular variety. A vigorous grower, hardy, and immensely productive. The berries are large, of rich crimson color and excellent quality. Each, 20c; Doz., \$1.75**St. Regis Red Raspberry.** A comparatively new everbearing variety, producing fruit until late in the season. The plants are very productive and berries of fine quality. Each, 25c; Doz., \$2.25**Gregg Black Raspberry.** A splendid late blackcap; hardy and productive. Berries of fine quality. Each, 25c; Doz., \$2.25

LOGANBERRY

Loganberries are very profitable, and great quantities of the plants are being planted. We have a large stock of especially fine plants, and are prepared to quote attractive prices on large quantities. It is a strong, trailing plant; extremely productive. The fruit is large, with shape of the blackberry, color of the raspberry, and flavor of both.

Two year old plants, each 35c; Doz., \$3.00

Tips, each, 20c; Doz., \$2.00

PHENOMENAL BERRY

Originated by Luther Burbank; a cross between the red raspberry and dewberry. Called an improved form of Loganberry; larger, more productive and sweeter, but soft and not so good for shipping. Each, 25c; Doz., \$2.50

CURRANTS

Perfection Currant. A beautiful bright red currant of very large size, borne in large clusters. Each, 25c; Doz., \$2.50**White Transparent Currant.** The finest of the white varieties.

Large, and of excellent quality. Each, 25c; Doz., \$2.50

Black Naples Currant. Very large; black; rich, tender and excellent for jelly, etc. Each, 25c; Doz., \$2.50**Fay's Prolific Currant.** One of the newer varieties, larger than the Cherry Currant, less acid and more prolific. Each, 25c; Doz., \$2.50**Lee's Prolific Black Currant.** The fruit is large and of superior quality; bush vigorous and productive. Each, 25c; Doz., \$2.50

GOOSEBERRIES

Oregon Champion Gooseberry. Very productive and free from mildew. Fruit large, round, light green color, and fine flavor. Each, 25c; Doz., \$2.50**Josselyn Gooseberry.** Large, smooth, and of fine quality. The plant is hardy, prolific and not subject to mildew. Each, 25c; Doz., \$2.50



GRASS AND CLOVER SEED

Great care should be exercised when purchasing seed of any kind, and this applies especially to Clover and Grass Seed. Even seed which complies with the Pure Seed Law may contain enough weed seed to make it a serious menace, and enough dead seed, which will not germinate, to make it very expensive. Sow only seed which has been tested for purity and germination. The difference in cost is too slight to pay for taking a chance on sowing your farm or lawn to weeds.

INVICTA LAWN GRASS MIXTURE

This mixture has established a reputation for us in this line, and we are very particular that no seed shall enter into it that might blemish that reputation.

It is composed of the finest lawn grasses in correct proportions to produce a fine, velvety, tough turf that will be green all the year. To accomplish this we have chosen early, medium and late varieties, some deep rooted, some shallow and some creeping rooted to bind the others together and form a dense, thick, matted turf. There are no coarse or cheap grasses in this mixture. It contains a small amount of White Clover to make a quick showing and to protect the more delicate grasses until they are firmly established. The grasses will eventually crowd out the clover, leaving a fine grass lawn.

One pound of this seed is sufficient to sow about two hundred and fifty square feet of new lawn. Less seed is required to reseed an old lawn. Old lawns should be loosened up occasionally with a rake, reseeded and rolled.

Price, 1 lb., 50c; 5 lbs. or more, 43c per lb.

INVICTA HAY MIXTURE

This mixture is composed of tall-growing grasses, maturing at the same time, furnishing an abundance of nutritious hay on ordinary meadow land. It is the best possible mixture for the purpose, and is composed of only the best seeds of the most suitable varieties. Should be sown at the rate of twenty to thirty pounds per acre. Price, per lb., 30c; 10 lbs., 28c; 100 lbs., \$26.00

KENTUCKY BLUE GRASS

(*Foa Pratensis*)

For lawns, some prefer straight Kentucky Blue Grass, and it certainly does produce splendid lawns if one has the time and patience to devote to it. It takes a long time to become established, but when once established it is permanent. Only the very best seed obtainable should be sown. Our seed is extra fancy. For lawns it is sown at the rate of one pound to about three hundred square feet. It is also a splendid grass in pasture mixtures. Price, per lb., 45c; 10 lbs., 39c; 100 lbs., \$37.00

CREEPING BENT

(*Agrostis Stolonifera*)

A valuable grass for lawns, putting greens, etc., on account of its fine texture and creeping roots which form a tough, enduring turf. It is seldom used alone, but is included in the best lawn mixtures. The world's supply of *Agrostis Stolonifera* at this time is very limited, and much of the Creeping Bent now on the market is not genuine. Be careful when buying.

Price, per lb., \$1.00

WHITE DUTCH CLOVER

(*Trifolium Repens*)

A dwarf, spreading, perennial plant, growing four to ten inches high, with white blossoms, included in most lawn grass mixtures to make a quick growth and act as a nurse crop to protect the finer grasses. It is also used in pasture mixtures and for bee pasture, as white clover honey is unexcelled. It is seldom used alone. Great care should be used in purchasing seed, as it is difficult to clean and is very liable to contain weed seeds. None but the very best should be used. Our seed is extra fancy; none better.

Price, per lb., 80c; 10 lbs., 78c; 100 lbs., \$76.00

INVICTA PASTURE MIXTURE

A splendid mixture designed to furnish abundant pasture during practically the entire year. Only the most suitable varieties are used, and none but high-grade seeds. The best mixture possible for the purpose. Should be sown at the rate of about twenty-five pounds per acre.

Price, per lb., 30c; 10 lbs., 28c; 100 lbs., \$26.00

POULTRY PASTURE MIXTURE

A mixture suitable for sowing in poultry runs, furnishing a great amount of green food so necessary to successful poultry culture, and greatly reducing food bills. It will form a tough sod, not easily destroyed.

Price, per lb., 30c; 10 lbs., 28c; 100 lbs., \$26.00

TIMOTHY

(*Phleum Pratense*)

The best known grass for hay, and the most profitable for hay as it brings highest prices. It thrives on almost any good meadow land, but does best on rather moist loamy soil. It withstands considerable drought, heat or cold. Should be cut just when the blossoms fall. Our seed is the best that can be procured.

Price, per lb., 15c; 10 lbs., 13c; 100 lbs., \$12.00

ENGLISH or PERENNIAL RYE GRASS

(*Lolium Perenne*)

A very valuable grass, especially in Western Washington, for both hay and pasture. It makes a quick, strong, leafy growth, high in food value, and is relished by all stock. It thrives on almost any soil, but does best on rich loam or clay. Usually used in mixtures. If sown alone, use thirty to forty pounds per acre.

Price, per lb., 20c; 10 lbs., 13c; 100 lbs., \$12.00

ITALIAN RYE GRASS

(*Lolium Italicum*)

Similar to English Rye Grass, but produces an abundance of green feed in midsummer and late in the season after other grasses are past their prime, and for that reason is an especially valuable pasture grass. It is supposed to be a biennial, but on the Pacific Coast will last almost indefinitely. When sown alone it is used at the rate of about forty pounds per acre; generally sown in mixtures with other grasses.

Price, per lb., 20c; 10 lbs., 13c; 100 lbs., \$12.00

RED TOP

(*Agrostis Vulgaris*)

Red Top is a very hardy, permanent grass, forms a tough sod, is good in pasture mixtures and is especially valuable on wet ground where other grasses will not thrive. We have only fancy recleaned seed, free from chaff. Only about one-half as much of this seed is required as of the seed in chaff usually sold. Ten to fifteen pounds per acre are sufficient.

Price, per lb., 30c; 10 lbs., 28c; 100 lbs., \$26.00

Orchard Grass or Cocksfoot

(*Dactylis Glomerata*)

Valuable in pasture mixtures on account of being much earlier than other grasses, and continuing green when other grasses are withered by dry weather. It will grow in shady places where other grasses will not thrive. It makes very good hay if cut as soon as in bloom; later it becomes hard and woody.

Price, per lb., 35c; 10 lbs., 32c; 100 lbs., \$30.00

Prices are subject to market changes. Current prices will be quoted on request.



Canadian Blue Grass (*Poa Compressa*)

A hardy perennial grass with creeping root-stalks which form a strong turf. It is a splendid lawn and pasture grass, being hardier than Kentucky Blue Grass. It differs from Kentucky Blue Grass in flattened, shorter stems and bluer color. Generally used in mixtures; sow at the rate of twenty to thirty pounds per acre if used alone.

Price, per lb., 30c; 10 lbs., 27c per lb.

Meadow Fescue or English Blue Grass (*Festuca Pratensis*)

A splendid grass in pasture and hay mixtures. It produces pasture in early spring, late fall and winter. It is hardy, will grow on almost any soil, but thrives best on moist, rich land. Sow at the rate of twenty pounds per acre if used alone.

Price, per lb., 35c; 10 lbs., 32c per lb.

Fine Leaved Fescue (*Festuca Ovina Tenuifolia*)

Good in pasture mixtures for dry and inferior soils. Grows fifteen to twenty inches high, in small tufts, with few stems but a large amount of bottom foliage. It is also suitable for dry terraces in lawns. Sow twenty pounds per acre when used alone.

Write for price.

Red or Creeping Fescue (*Festuca Rubra*)

Has creeping roots which form a dense and lasting turf. It resists drought and thrives on poor gravelly or sandy soils where less hardy grasses will not grow. Sow at the rate of about thirty pounds per acre.

Write for price.

Brome Grass (*Bromus Inermis*)

Suitable for light and sandy soils and dry localities, and valuable for binding soil on embankments. It is not high in food value, and is not recommended for hay or pasture where better grasses can be grown. Sow forty pounds per acre.

Price, per lb., 30c; 10 lbs., 27c per lb.

Crested Dog's Tail (*Cynosurus Cristatus*)

Used in mixtures for pastures, putting greens and lawns. It is a perennial, forming a smooth and lasting turf. Does best on rich, moist land, but is deep rooted and will stand severe drought and hard usage. Sow at the rate of twenty-five pounds per acre.

Write for price.

Tall Meadow Oat Grass (*Avena Elatior*)

A valuable grass in pasture mixtures on account of being very early; it also makes very good hay. It is hardy, deep rooting, stands considerable drought and is grown successfully in eastern Washington and Oregon. Sow thirty to forty pounds per acre.

Price, per lb., 45c; 10 lbs., 43c per lb.

SUDAN GRASS (*Andropogon Sorghum*)

A valuable hay and forage crop of recent introduction, especially useful in hot, dry localities. It is an annual, like sorghum and millet, and must be seeded each year. Two to four cuttings may be had during the season. If sown in rows and cultivated, two to six pounds of seed is sufficient for an acre; if broadcasted fifteen pounds will be required. The seed should not be sown until all danger of frost is past.

Price, per lb., 15c; 10 lbs., 12½ per lb.

ALFALFA

(*Medicago Sativa*)

Alfalfa is the most valuable hay and forage plant in all localities where it can be grown successfully. It is grown extensively east of the Cascades, and in a few localities on the coast. Those who have had difficulty in getting a crop started should inoculate the seed with Mulford Cultures. Only the very best seed should be sown, and special care should be taken to see that it is free from weed seeds, especially Dodder. Our seed is tested for purity and germination, and is the best that can be procured. Generally sown at the rate of fifteen to twenty pounds per acre.

Price, per lb., 25c; 10 lbs., 23c per lb.

GRIMM ALFALFA

A very hardy variety of Alfalfa which is attracting considerable attention. It has a branching fibrous root system which adapts it to dry lands and irrigated lands of shallow depth. It is an early and vigorous grower and heavy yielder.

Price, per lb., 75c; 10 lbs., 72c per lb.

Turkestan or Dry Land Alfalfa

(*Medicago Turkestanica*)

Very similar to Medicago Sativa, except that it is more hardy and may be grown more successfully on very dry soils.

Price, per lb., 50c; 10 lbs., 47c per lb.

RED CLOVER

(*Trifolium Pratense*)

The most valuable hay and forage crop that can be grown west of the Cascades, being to this section what Alfalfa is to the country east of the mountains. It is a legume, drawing nitrogen from the air, making it one of the greatest fertilizers known. Seed is sown at the rate of eight to twelve pounds per acre. Great care should be exercised in purchasing seed. Our seed is especially good.

Price, per lb., 35c; 10 lbs., 30c per lb.

Mammoth Red Clover

(*Trifolium Medium*)

Grows very rank and coarse, and is used mostly as a fertilizer, for plowing under. Sow eight to twelve pounds per acre.

Price, per lb., 40c; 10 lbs., 37c per lb.

White Sweet Clover or Bokhara

(*Melilotus Alba*)

A biennial, used to some extent for hay and pasture, but most valuable for bee pasture. Sow twenty to thirty pounds per acre.

Price, per lb., 30c; 10 lbs., 27½ per lb.

ALSIKE CLOVER

Especially valuable on land that is too wet and cold for Red Clover, although it thrives on any soil where Red Clover can be grown. If you cannot get a stand of Red Clover, try Alsike. It makes very good hay and pasture. Sow eight pounds per acre.

Price, per lb., 40c; 10 lbs., 35c per lb.

Crimson Clover

(*Trifolium Incarnatum*)

An annual, useful principally as a cover crop or to plow under. Sow fifteen pounds per acre.

Price, per lb., 30c; 10 lbs., 27½c per lb.

Prices are subject to market changes; current prices will be quoted on request. Prices are F. O. B. Seattle, and do not include postage or transportation charges.

ROOT CROPS

The root crops, Mangels, Carrots and Ruta Bagas, do especially well in the Pacific Northwest, and although great quantities are grown in this section, there are many farmers, poultrymen and stockmen who could reduce their feed bills materially and at the same time improve the physical condition and productivity of their stock by growing and feeding more of these roots.

MANGEL WURZELS OR STOCK BEETS

DANISH SLUDSTRUP MANGEL. Considered the most desirable variety. It is of large size, long, smooth, uniform in shape and size, and yields wonderful crops. It is of reddish yellow color, rich and of splendid quality. Although a long mangel, it grows well out of the ground and is easy to harvest.

Pkt., 10c; $\frac{1}{2}$ lb., 30c; 1 lb., 45c.

GOLDEN TANKARD MANGEL. The roots are large, of tankard or ovoid shape, with bottom larger than the top. Flesh is yellow zoned with white. Tops and necks comparatively small.

Pkt., 10c; $\frac{1}{2}$ lb., 35c; 1 lb., 55c.

GIANT INTERMEDIATE OR GATEPOST MANGEL. A very large mangel of intermediate or half-long shape. The skin is yellow; flesh white, sweet and tender. A heavy producer.

Pkt., 10c; $\frac{1}{2}$ lb., 30c; 1 lb., 50c.

LONG RED MANGEL. Roots very large, uniformly straight and well formed. Skin deep red; flesh white shaded red. Good quality and very productive.

Pkt., 10c; $\frac{1}{2}$ lb., 35c; 1 lb., 55c.

HALF SUGAR MANGEL. Rich in sugar, combining the food value of the sugar beet with the large size of the mangel. It is bronze-green above, light gray below; ovoid in shape; grows well out of the ground, and is easily harvested.

Pkt., 10c; $\frac{1}{2}$ lb., 35c; 1 lb., 55c.

Sugar Beet

VILMORIN'S IMPROVED SUGAR BEET. Sugar Beets are valuable for stock feeding as well as for sugar making. This variety is one of the richest in sugar content, and very productive. The roots are of medium size, with white flesh.

Pkt., 10c; $\frac{1}{2}$ lb., 40c; 1 lb., 60c.

RUTA BAGA, or SWEDE TURNIP

An excellent crop for stock feeding, handled the same as winter turnips except that they require a longer season for growth. They are larger and richer than turnips. The only objection to them has been their liability to being infested with root maggots, but now that Mag-o-tite is available that is no longer a serious matter.

AMERICAN PURPLE TOP IMPROVED RUTA BAGA. Of very large size, nearly globular, immensely productive and a good keeper. The flesh is yellow, firm and rich.

Pkt., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.20.

SKIRVING'S PURPLE TOP RUTA BAGA. A round or oval variety of large size. The flesh is yellow and of excellent quality.

Pkt., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.20.

YELLOW SWEDE RUTA BAGA. A very popular variety. The roots are oblong; dull reddish color above ground, yellow below. Of good quality and a splendid keeper.

Pkt., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.20.

WHITE OR SWEET RUSSIAN RUTA BAGA. An excellent keeper and very desirable for either table or stock. The roots are very large, nearly globular, and the flesh is white, very firm and sweet.

Pkt., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.20

MASTODON STOCK CARROT

YELLOW GIANT STOCK CARROT. A very large and productive yellow fleshed stock carrot. An excellent keeper.

LARGE WHITE BELGIAN STOCK CARROT. A very large and productive half-long white carrot, growing well above ground and easily harvested.

Pkt., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

Pkt., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

Pkt., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., \$1.00.

STOCK CARROTS

Danish Sludstrup Mangel

STOCK CARROTS

Carrots are a very valuable and profitable crop for stock feeding, and should be more generally grown for that purpose in this locality. They are very productive, high in food value and are relished by stock.

OXHEART OR GUERANDE CARROT. This variety grows very large, and is probably the best for stock feeding. The roots are short, very thick, ending abruptly in a small tap root. The flesh is bright orange, fine grained and sweet.

Pkt., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

Pkt., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

MASTODON STOCK CARROT. A very productive, half-long, white carrot of large size.

Pkt., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

Pkt., 10c; $\frac{1}{4}$ lb., 40c; 1 lb., \$1.00.

Pkt., 10c; $\frac{1}{4}$ lb., 35c; 1 lb., 90c.

FORAGE AND SILAGE CROPS

THOUSAND HEADED KALE

One of the most important and valuable crops on the Pacific Coast, as it supplies green food for poultry, cows and hogs during the winter. In this locality it is left in the ground all winter, and cut or the lower leaves pulled off as wanted for feeding, and is seldom damaged by freezing. The plants are generally started in a seed bed and transplanted, like cabbage, three feet apart in rows four feet apart. They may be planted after an early harvested crop is removed. One pound of seed will produce sufficient plants for an acre.

Ounce, 10c; $\frac{1}{4}$ lb., 25c; 1 lb., 75c.

DWARF ESSEX RAPE

Furnishes a great amount of forage and pasture during the dry season in summer when other green food is scarce, and is especially valuable for hogs and sheep. It may be sown any time during the spring and summer, and is useful as a catch crop to be sown after some early crop is harvested. When sown broadcast, about five pounds of seed is required for an acre.

Price, per lb., 15c; 10 lbs. or more, 13½c per lb.

MILLET

Millet is used mostly as a catch crop to take the place of some crop that has failed or to sow after some early harvested crop has been removed. It may be sown in spring after danger of frost is past, or as late as the last of July, and makes a fair quality of hay.

Golden Millet. Especially valuable for use on poor soils. It is early maturing and grows about four feet high. The seed is yellow. Sow twenty-five pounds per acre.

Siberian Millet. An early, very hardy variety, best for hot, dry localities. Grows about four feet high, and produces a large amount of excellent hay. Sow twenty-five pounds per acre.

Japanese Millet. Makes a rank growth, sometimes six feet high, and produces a wonderful amount of hay, forage or silage. Sow twenty pounds of seed per acre.

Price, any variety, 10c per lb.; 10 lbs. or more, 8½c per lb.

Sunflower

A valuable poultry and hog feed when mixed with other grains. Very productive and easy to grow. Per pound, 15c.

Flax

Selected, recleaned seed. Sow after danger of frost is past in spring. Thirty pounds per acre. Per pound, 15c.

Seattle, and do not include freight charges or postage.

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SEED GRAINS

Reliable, Recleaned, Tested Seed; True to Name

OATS

Swedish Select. The most popular variety in the Northwest. The head is large and spreading; the grain large, white, plump and very heavy. It is a heavy yielder, and the straw is extra large and strong, making it less liable to lodge.

Price, per lb., 5c; 100 lbs., \$3.50

Abundance. A new Scotch oat, yielding heavy crops. Medium early, has a spreading head, and the grain is white, of medium size and weight.

Per lb., 5c; 100 lbs., \$3.50

Victory. A heavy yielding head oat, resistant to lodging. The grain is white with a slight reddish shade.

Per lb., 5c; 100 lbs., \$4.00

Banner. A very popular white, head oat. The grain is white and heavier than the average.

Per lb., 5c; 100 lbs., \$3.50

Black Alaska. A black oat, used to sow with Vetch or Peas. It is sometimes sown in fall, but is not so hardy as Gray Winter Oats, and is more liable to freeze out.

Per lb., 5c; 100 lbs., \$4.00

Gray Winter Oats. Especially valuable for fall sowing. The grain is dark gray, large, plump, and yields well. The best for sowing with Vetch or Peas.

Per lb., 5c; 100 lbs., \$3.25

Giant White Side Oat. A vigorous and productive side oat; grain white and heavy.

Per lb., 5c; 100 lbs., \$3.50

FIELD PEAS

A valuable grain, hay, silage and soiling crop which although quite generally grown in Western Washington, is deserving of even more consideration. The plants make excellent hay and silage, and the ground grain is splendid hog and poultry food. The plant, being a legume, is one of the greatest fertilizers, whether harvested or turned under.

Yellow Canadian Field Peas. The most generally grown variety. The seeds are small, round, smooth and light yellow.

Per lb., 10c; 100 lbs., \$5.50

Blue Bell Field Peas. The seed is larger than the Yellow Canadian, and is of a bluish color; similar in other respects.

Per lb., 10c; 100 lbs., \$7.00

VETCH

One of the most valuable crops grown in the Northwest for hay, silage, pasture, soiling and green manure. Being a legume, like peas, clover and alfalfa, it draws nitrogen from the air and distributes it in the soil, making it one of the best and most economical fertilizers.

Oregon Vetch. Sometimes called Spring Vetch, which name is misleading, for it is the variety used exclusively west of the Cascades for either spring or fall sowing.

Per lb., 10c; 100 lbs., \$8.50

Hairy or Winter Vetch. This variety is used east of the mountains for fall sowing.

Per lb., 30c; 100 lbs., \$23.00

WHEAT

Marquis. A new, early, red, spring wheat. Does not shatter easily and stands up well. A short, plump, very hard kernel of good quality. Although a spring wheat, it may be sown in fall west of the Cascade Mountains.

1 lb., 10c; 10 lbs. or more, 5c per lb.; 125 lb. sack, \$5

Early Baart. A splendid new spring wheat which is becoming very popular. It is very early, a heavy yielder, and the large white grain is of fine milling quality.

1 lb., 10c; 10 lbs. or more, 5c per lb.; 125 lb. sack, \$5

Bluestem. An old standard white spring wheat, sown in fall west of the Cascades.

1 lb., 10c; 10 lbs. or more, 5c per lb.; 125 lb. sack, \$5

Red Russian. A red winter wheat grown extensively in Eastern Washington.

1 lb., 10c; 10 lbs. or more, 5c per lb.; 125 lb. sack, \$5

RYE

ROSEN RYE. A new variety, developed by the Michigan Agricultural College. The straw is vigorous and stools to a remarkable degree. The heads are large and full, with beards of medium length. The grain is large, plump, heavy and of a light greenish color. It is remarkably productive.

1 lb., 10c; 10 lbs. or more, 6c per lb.; 125 lb. sack, \$6.85

Seed Rye. The old standard variety. Good, recleaned seed.

1 lb., 10c; 10 lbs. or more, 5c per lb.; 125 lb. sack, \$4.75

BARLEY

White Hulless. This barley threshes out like wheat, leaving the large, plump, white kernels free of hulls, making it a valuable stock and poultry food. It is sometimes sown in fall west of the Cascade Mountains, and may be sown as late as July.

1 lb., 10c; 10 lbs. or more, 5c per lb.; 125 lb. sack, \$5.60

Beardless Barley. Free from beards, making it much superior to the bearded varieties for hay.

1 lb., 10c; 10 lbs. or more, 4½c per lb.; 100 lb. sack, \$4

CORN

Improved King Philip. This is an improved strain of the old King Philip. It is a very early, red, flint variety, and is adapted to the Northwest.

1 lb., 10c; 10 lbs. or more, 7½c per lb.; 100 lb. sack, \$7

Pride of the North. A favorite variety for this locality. An early, yellow, dent corn.

1 lb., 10c; 10 lbs. or more, 7½c per lb.; 100 lb. sack, \$7

Minnesota No. 13. A new variety of yellow dent corn; large and early.

1 lb., 10c; 10 lbs. or more, 7½c per lb.; 100 lb. sack, \$7

Iowa Gold Mine. A splendid medium early, yellow, dent corn, adapted to this locality.

1 lb., 10c; 10 lbs. or more, 7½c per lb.; 100 lb. sack, \$7

Red Cob Ensilage Corn. A red cob field corn especially desirable for ensilage.

1 lb., 10c; 10 lbs. or more, 7½c per lb.; 100 lb. sack, \$7

Early White Dent Fodder Corn. An early white corn used extensively for fodder.

1 lb., 10c; 10 lbs. or more, 7½c per lb.; 100 lb. sack, \$7

Evergreen Sweet Fodder Corn. A sweet corn producing a large amount of sweet, succulent fodder.

1 lb., 10c; 10 lbs. or more, 8c per lb.; 100 lb. sack, \$7.50

INCREASE YOUR CROPS

OF ALFALFA, CLOVER, VETCH, PEAS AND BEANS
BY INOCULATING THE SEED WITH

Mulford Cultures

Prices are subject to market changes. Current prices will be quoted on request. Prices do not include postage.



THE LEGUME CROPS

Alfalfa, Red Clover, White Clover, Alsike Clover, White Sweet Clover or Bokhara, Vetch, Field Peas, Garden Peas, Beans and Sweet Peas

These are among the most profitable crops that can be grown, and are wonderfully beneficial to the soil, instead of exhausting it as other crops do. This is due to the fact that the legumes draw nitrogen from the air and distribute it through their roots into the soil.

Legumes offer the best known means of maintaining soil fertility and rejuvenating overcropped and wornout fields. They add both humus and nitrogen to the soil, and thus increase the yield of any future crop.

In case these crops do not catch readily, or do not make a satisfactory growth, the reason usually is that the soil does not contain a sufficient number of the nitrogen fixing bacteria so necessary for the growth of legumes. These bacteria form little nodules which may be readily seen on the roots of thrifty leguminous plants.

Mulford Cultures

FOR LEGUMES

Small Cost—Large Returns—Easy to Use—No Labor Expense

Mulford Cultures contain pure, tested strains of active, vigorous nitrogen fixing bacteria for inoculating seeds of legumes, or soil. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture, and may readily be applied to your seed.

Increase Your Crops—Improve Your Soil

The United States Department of Agriculture and many State Agricultural Experiment Stations recommend inoculation of legumes with nitro-fixing bacteria to induce a prompt catch and increased yield.

Mulford Cultures are scientifically prepared and tested by experts in the biological laboratories of H. K. Mulford Co., Philadelphia, with the same degree of care as Mulford Antitoxins, Serums, Vaccines, etc., which are standard all over the word.

Be sure to specify in your order what crop you wish to inoculate. There is a different strain of bacteria for each of the following legumes: **ALFALFA, RED CLOVER, WHITE CLOVER, SWEET CLOVER, ALSIKE CLOVER, VETCH, FIELD PEAS, GARDEN PEAS, BEANS AND SWEET PEAS.**

It is of no use on crops other than legumes.

PRICES

Mulford Cultures for the varieties of legumes listed above are supplied at the following prices:

Five Acre Size, \$5.00.

One Acre Size, \$1.50.

One-quarter Acre Size, 50c

Small Size, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas only, 25c

Postage additional.



FERTILIZERS

INVICTA FERTILIZER

A real fertilizer; composed entirely of plant foods in the best form to produce desired results. Contains no worthless filler. It is properly balanced to be suitable for lawns, rose bushes, ornamental shrubbery, flower beds, vegetable gardens and fruit.

To maintain a lawn that you may be proud of; to produce the largest, brightest and best formed flowers; or to grow the most perfect fruit in abundance, it is necessary to use a suitable fertilizer in liberal quantities. Use it on your vegetable garden and produce prize vegetables.

No soil can produce crops year after year without being supplied with material to work with. Invicta Fertilizer supplies the necessary material in the best form.

6 lbs., 40c; 13 lbs., 70c; 25 lbs., \$1.00; 100 lbs., \$3.50

BONE MEAL FERTILIZER

One of the most valuable fertilizers, and in some cases the most economical form of phosphoric acid and nitrogen. It is slow in action, the plant food is taken up only as fast as required by the plants, and for that reason is splendid for forming lawns, rose beds, etc. It is also an excellent top dressing, and may be used in unlimited quantities.

5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.00; 100 lbs., \$3.75

SHEEP GUANO

Steam dried and finely pulverized. Very high in fertilizing values; and the best and most economical of the natural fertilizers for practically all purposes. It is not offensive to handle, and is not unsightly when used on lawns or flower beds.

25 lbs., 75c; 100 lbs., \$2.00

FISH FERTILIZER

A high grade fertilizer made of fish scrap, dried and finely ground. It is very high in nitrogen and phosphoric acid, and will produce wonderful results where a luxuriant top growth is desired, and where the offensive odor will not be objectionable. Not handled in less than sack lots.

100 lbs., \$4.25

GROUND LIME ROCK

Unburned lime rock, ground fine, for sweetening sour soil. Recommended by some in preference to hydrated lime, as it is not caustic.

100 lbs., \$1.00

MEAT AND BONE FERTILIZER

A very concentrated fertilizer, composed of slaughter-house products, dried, finely ground, and in a convenient form. It is very high in nitrogen and phosphoric acid, and is valuable as a top dressing where quick results are desired. Packed in 100 lb. bags only.

100 lbs., \$4.00

NITRATE OF SODA

A very valuable, quick acting nitrogenous fertilizer which produces wonderful results when correctly used. It is valuable as a top dressing on vegetables during the early stages of growth, to give them a vigorous start; also on corn and such crops as need encouragement in our climate, and in the orchards east of the mountains where the soil is deficient in nitrogen. Those requiring large quantities will please write for quantity prices.

Sack lots (about 225 lbs.), \$4.00 per 100 lbs.

Less than sack lots, 5c per lb.

SULPHATE OF POTASH

This is the chief source of potash, a very necessary fertilizing element. There is very little available at this time, and the price is high; however we are fortunate in securing a limited supply which we can furnish at the following prices as long as it lasts.

Sack lots (about 200 lbs.), \$9.00 per 100 lbs.

Less than sack lots, 10c per lb.

SUPERPHOSPHATE

An economical and quickly available form of phosphoric acid. It is much used as a top dressing for grass and grain. This is in the form known as acid phosphate. Packed in 125 lb. sacks only.

Per sack (about 125 lbs.), \$2.50

GYPSUM, OR LAND PLASTER

Land Plaster is not really a fertilizer, as it contains no plant food, but by causing a chemical change in the soil releases plant food which is in the soil, and is very beneficial on clover and other legumes.

100 lbs., 90c

H. O. LIME

Hydrated lime for sweetening sour soil. Much of the soil in Western Washington is sour, and will not produce satisfactory crops until the acidity is neutralized.

50 lbs., 85c; 100 lbs., \$1.50

SWANSDOWN LIME

A very fine grade of hydrated lime for use on lawns, etc.

50 lbs., \$1.00; 100 lbs., \$1.75

We will be pleased to quote attractive prices to those requiring fertilizers in large quantities.

MILLIONS OF DOLLARS

HAVE BEEN LOST ANNUALLY THROUGH THE DEPREDATIONS OF

ROOT MAGGOTS

ON RADISHES, TURNIPS, RUTABAGAS, ONIONS, CABBAGE,
CAULIFLOWER AND KALE.



IS A POSITIVE AND PRACTICAL CURE
FOR THESE AND OTHER PESTS.

It is also effective for Crown Borers on Strawberry Plants, Asparagus Miner, Cabbage Worms, Slugs, Earth Worms in Lawns, and various similar insects.

Those who have attempted to grow Radishes, Cabbage, Cauliflower, Onions, Turnips and Kale in recent years will appreciate the value of Mag-o-tite. Root Maggots have become such a serious pest that it has been impossible to grow satisfactory crops of these vegetables.

Root Maggots are the larvae hatched from eggs laid by a fly similar in appearance to the common house-fly. The fly appears early in spring and deposits eggs on plants of the Brassica family, near the surface of the soil. From these eggs are hatched Root Maggots. These maggots immediately begin their depredations upon the roots of the plants. Eventually they develop into flies which lay more eggs from which are hatched another generation of the detested maggots. This program is repeated several times during the season, so that no crop, either early, medium or late, can escape their ravages.

They have caused untold financial loss to market gardeners, and much disappointment and wasted labor to home gardeners who have endeavored to produce the fresh, crisp, home-grown vegetables which taste so much better than those purchased at the market.

Until recently there has been no effective remedy for this destructive pest. Three years ago we perfected Mag-o-tite,



and the severe tests which have been given it since that time by gardeners and farmers all over the country have proved it to be thoroughly effective.

Mag-o-tite repels the flies which lay the eggs from which the maggots are hatched. The flies will never be found in near proximity to the fumes of Mag-o-tite. It also destroys by contact maggots which were in the soil before Mag-o-tite was applied.

Mag-o-tite is very easily applied by simply scattering it on the ground in liberal quantities and working it into the soil before the seed is sown or plants are set out. One or more later applications should be made by scattering Mag-o-tite on the ground around the plants. This is especially necessary after a heavy rain or irrigation.

No harm will result if Mag-o-tite is sprinkled on the plants, and there is no danger of using too large quantities. It is a valuable stimulant to plant life, and will not harm the plants in any way.

A two-pound package is sufficient for one application on about one hundred and fifty feet of drill; or three hundred to five hundred pounds for an acre.

The cost and labor involved is very slight compared with the benefit derived from it.

PRICES

2-lb. carton, 35c; 4-lb. carton, 60c; 8-lb. carton, \$1.00; 25-lb. bag, \$2.50; 100-lb. bag, \$8.50.
F. O. B. Seattle.

SPRAYS

INVICTA SPRAY

An effective nicotine and soap compound spray for Roses, Fruit Trees and Bushes, Ornamental Shrubs, Garden and House Plants for the control of Aphis, Thrips, Leaf Hopper and other forms of plant lice. One quart of the compound will make six gallons of spray. Price, 1 quart, 50c; 1 gallon, \$1.50

DRY LIME-SULPHUR

The use and success of Lime-Sulphur Solution is known to every fruit grower, and they also know the inconvenience, unpleasantness and waste in handling the liquid Lime-Sulphur. The barrels are heavy, containing a large percentage of water, and the labor and expense of handling and shipping is excessive. The barrels leak and the liquid freezes.

Sherwin-Williams Dry Lime-Sulphur is standard Lime-Sulphur Solution in dry powdered form, and is fast displacing the old-fashioned Liquid Lime-Sulphur as an insecticide and fungicide. It has the same uses, and is fully as effective. It contains no water, and freight charges and handling costs are reduced about two-thirds. There is no leakage or freezing, and it is convenient and easy to handle. It dissolves readily in cold water, and is used for the same purposes and in the same manner as the old Liquid Lime-Sulphur.

Price: 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.25; 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$15.00; F. O. B. Seattle.

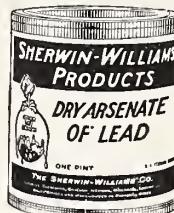
LIQUID LIME-SULPHUR

For those who still prefer the Liquid Lime-Sulphur Solution, we supply this, the best of the old style sulphur sprays.

Price: 1 gallon, 75c; 5 gallons, \$2.75; barrel (about 50 gallons), \$13.00; F. O. B. Seattle.



ONE POUND 50c



ONE PINT 15c

DRY ARSENATE OF LEAD

The use of Arsenate of Lead in dry powdered form has become general and is rapidly supplanting the paste form. The Sherwin-Williams Dry Powdered Arsenate of Lead is an exceedingly finely divided, fluffy powder, and is very much easier to get into suspension in the spray tank than is the paste form or any other form of Dry Arsenate of Lead. Because of its unusual lightness, it stays thoroughly in suspension, thus giving a spray of uniform strength.

It has maximum of killing power, speedy action and unquestionable effectiveness in controlling leaf eating and chewing insects. It has unusual adhesiveness, clinging to the foliage the longest possible time.

Price: 1/2 lb., 35c; 1 lb., 65c; 5 lbs., \$3.00; 25 lbs., \$11.25

FUNGI-BORDO

Dry Powdered Fungi-Bordo is a true Bordeaux Mixture in dry powdered form, requiring only to be mixed with cold water to give a standard Bordeaux Mixture Spray.

Price: 1 lb., 40c; 5 lbs., \$1.55; 25 lbs., \$6.25

PESTROY BORDO-LEAD COMBINATION

A dry powdered combination of Bordeaux Mixture and Arsenate of Lead for the prevention of fungus diseases and control of leaf-eating insects. It has only to be mixed with water according to instructions accompanying each can.

Price: 1/2 lb., 30c; 1 lb., 50c.

TREE TANGLEFOOT

A sticky compound, similar to that used in making fly-paper, used for banding fruit trees as a protection against crawling insects.

Price: one-pound can, 50c.

NICO-FUME LIQUID

A 40% nicotine solution for fumigating, vaporizing or spraying in greenhouses for aphis and other plant lice. Cannot be shipped by parcel post.

Price: 1/4 lb., 65c; 1 lb., \$2.00; 4 lbs., \$7.50; 8 lbs., \$14.50

NICO-FUME PAPER

Saturated with nicotine, for fumigating in greenhouses and other places where the fumes can be confined. Packed in airtight cans.

Price: Can of 24 sheets, \$1.25; Can of 144 sheets, \$5.00

PARIS GREEN

A poison for killing leaf-eating insects. Cannot be shipped by parcel post.

Price: 1/4 lb. 35c; 1/2 lb. 60c; 1 lb. \$1.00

FORMALDEHYDE

For treatment of wheat and oats for smut, and potatoes for scab and other fungus diseases. 1 lb. Bottle, \$1.00; 2 lbs., \$1.80

BLUESTONE

Blue Vitriol for treating seed grain for smut, making Bordeaux Mixture, etc. Write for prices on large quantities.

Per lb., 15c.

POWDERED SULPHUR

A good grade of sulphur, ground fine, for making Lime-Sulphur sprays, fumigating, etc. Write for prices on large quantities.

Per lb., 5c; 100 lbs., \$3.50

GARDEN HOSE

Colonial Special Rubber Hose

This is made of special rubber, and is constructed entirely different from all others. There is first a seamless tube of pure rubber, over which are braided two or more fabrics or jackets of tightly twisted and cabled cotton yarn. Between each fabric and on the outside is a layer of rubber. It is then vulcanized under extreme pressure, driving the rubber through the cotton from tube to cover, making a homogenous body, stronger than the regular-made hose of double the number of plies.

In any length from 1 foot to 250 feet.

5/8 inch Colonial Garden Hose, per foot..... 22c.
3/4 inch Colonial Garden Hose, per foot..... 23c.

Couplings extra at 50c per set.

Dont Kink Corrugated Rubber Hose

A hard, black, corrugated, five-ply rubber hose which will not kink under any conditions. Especially recommended where it will have continuous and hard usage.

In any length from 1 foot to 250 feet.

5/8 inch Dont Kink Garden Hose, per foot..... 19c.
3/4 inch Dont Kink Garden Hose, per foot..... 20c.

Couplings extra at 50c per set.

GEM HOZE NOZZLE AND SPRINKLER

A brass nozzle throwing either a solid stream or a spray. For 3/4-inch hose..... Price, 80c.

THE JUPITER SPRINKLER

The Jupiter is a double rotary sprinkler, sprinkling like rain, watering in a natural way, evenly and in a manner best suited to lawns, golf links, parks, nurseries, vegetable gardens, flower gardens, etc. It is well and durably constructed, there are no parts to get out of order, and it always works perfectly. It is fully guaranteed to give satisfaction. It will sprinkle an area seventy-five feet in diameter, or less if desired. It is attached to ordinary hose connections, and only an instant is required for setting up or moving.

Price, \$12.50

HARTFORD LAWN SPRINKLERS

One of the most popular lawn sprinklers. It has a spear point to insert in the ground, a pipe standard, two, four or six feet long, and a revolving head.

Hartford Sprinkler, 2 foot..... Weight, 3 lbs..... Price, \$1.40
Hartford Sprinkler, 4 foot..... Weight, 4 lbs..... 1.60
Hartford Sprinkler, 6 foot..... Weight, 4 1/2 lbs..... 1.75

PLUVIUS LAWN SPRINKLER

Has a Jappanned iron base and three brass revolving arms which scatter the water like rain. Has ball bearings, and is well made. Weight, 3 1/4 lbs..... \$2.25

CRESCENT LAWN SPRINKLER

Made of heavy brass, highly polished, 8 1/2 inches wide. Throws spray in the form of a semi-circle. Weight, 1/2 lb..... 80c.

DON'T WORRY

The Root Maggots will not destroy your Radishes, Turnips, Cabbage, Cauliflower, Kale or Onions; and the Crown Borers will not bother your Strawberry Plants, if you use Mag-o-tite.



SPRAY APPLIANCES

AUTO-SPRAY No. 1-D
Compressed Air Sprayer

A strong and simple compressed air knapsack sprayer. Two pumpings of about fifteen strokes of the plunger will discharge the contents under high and constant pressure. It is used for spraying trees, shrubs, vines, field crops, greenhouses, poultry houses, etc.; for applying Paris green, arsenate of lead, bordeaux, lime and sulphur, disinfectants, fly liquids, lice liquids, etc.

The tank is made of galvanized steel, and holds 3½ gallons. The air pump cylinder is made of seamless brass tubing. Price, \$7.50.

AUTO-SPRAY NO. 5

The ideal all-purpose sprayer, used for spraying trees, vines, garden truck, potatoes, or any field crop; also for handling white-wash, disinfectants, etc. The pump is made entirely of brass, and works on the same principle as the Auto-Spray No. 6. It may be used in connection with any bucket or tank, or may be used with knapsack as shown in cut.

Auto-Spray No. 5. Pump, Hose, Nozzle and Strainer; without Knapsack. Shipping weight 4 lbs. \$5.50

Knapsack for Auto-Spray No. 5. A galvanized iron reservoir to be carried on the back. Shipping weight, 7½ lbs. \$3.25

Extension for Auto-Spray No. 5. A curved brass extension. 1 lb. 75c

Two-foot Brass Extension

For tree work, two or more of these extensions may be screwed together.

Price, each, 65c.

Brass Elbow

For reaching the under side of leaves. Will fit either the shut-off or extension.

Price, 40c.

AUTO-SPRAY NO. 25, CONTINUOUS ATOMIZER

A small hand atomizer, with a capacity of one quart, operating continuously on both the up and down stroke. It will handle all solutions, insecticides and disinfectants. Equipped with two spray caps, one for straight and one for angle spraying.

No. 25-B. One quart. Tin pump; galvanized tank. \$1.25

No. 25-C. One quart. Tin pump; brass tank. \$1.50



Ideal Sprayer No. 125

A small, tin, hand sprayer, handling all kinds of sprays, disinfectants, fly liquids, lice liquids, etc. Capacity of tank, one quart. 65c

BROWN & MILKS TRUCK FARM
Seattle, F. F. D. No. 6

Randall-McLoughlin,
Seattle.
Gentlemen:

We promised you that after the growing season we would give you a report on the Mag-o-tite which we used this season on our cabbage and cauliflower. When we took over this tract of land it had been used by Japanese for a number of years, and we were told by neighbors that they quit because the ground was full of maggots, and that we would never be able to grow cabbage, turnips, radishes and onions on this land.

After we got our crops in and growing we began to believe that they were right, for we soon found that the ground was literally teeming with these pests, and it certainly did look at one time as though we would not save any of the crop. It was at this time that we heard through a customer of yours, Mr. A. P. Lester, about Mag-o-tite.

It is no exaggeration to say that the cabbage roots were literally alive with maggots, and the small feeding roots completely eaten off. In spots where the maggots were so bad we used the preparation as directed, by removing a portion of the soil near the roots and sprinkling the Mag-o-tite freely around the plants. In other places where they were not so bad we dusted it on the surface around the plants. To the great surprise of ourselves and all who saw the crop when it was in such bad shape, we saved practically every plant.

This letter is to assure you of our appreciation of your help. You have permission to use it for any purpose you may desire, and it will give us great pleasure at any time to have you refer any parties that may be interested in Mag-o-tite to us. We ourselves shall never attempt to grow any truck without the aid of Mag-o-tite.

W. H. BROWN.

UTILITY No. 10
Knapsack Sprayer

This type of compressed air sprayer is the most popular for all general work. It is adapted for spraying, whitewashing, disinfecting, for the application of glue sizing, etc. The tank is made of galvanized steel, 7½ by 20 inches, capacity 3½ gallons. Side seam closely riveted and all joints well soldered and tested. Pump cylinder is made of brass, with bronze ball check valve. Hose is ½-inch, 5-ply, attached to tank by means of a standard hose connection of brass. Filling cap of ample size, easily removed without the use of a wrench. Angle nozzle, automatic shut-off type, made of brass, with extension feature; equipped with strainer, fine, medium and coarse discs. Price, \$7.50.



Utility No. 10

AUTO-SPRAY NO. 3-B

A general purpose orchard, field, and whitewash sprayer, especially valuable for whitewashing. The heavy galvanized steel reservoir has a capacity of eight gallons; the pump is on the principle of a force pump, and will generate a pressure of 100 lbs. Price, \$15.00.

AUTO-SPRAY NO. 3-D

The same as the Auto-Spray No. 3-B, except that it is larger, the tank having a capacity of twelve gallons, and is mounted on a truck, which makes it the best and most convenient outfit for general whitewashing. Price, \$22.00.

Non-Clog Junior Spray Nozzle

The nozzle is a very important part of the spray outfit. This nozzle can be used for almost any kind of work; for spraying orchards as well as field crops. It is made with standard ¼-inch pipe thread, and may be used on sprayers of other manufacture. It is furnished with four spray discs with different holes, so that the quantity of solution may be regulated.

Non-Clog Junior, straight..... 80c

Non-Clog Junior, angle..... 80c



UTILITY CONTINUOUS SPRAYER NO. 165

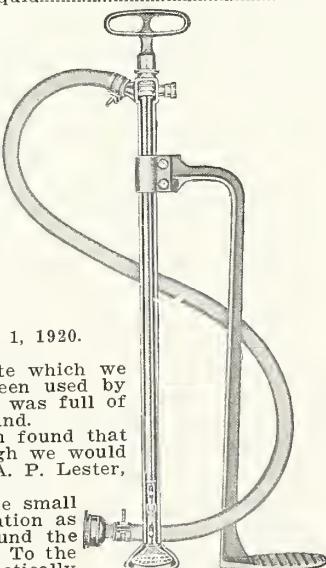
An excellent hand sprayer for any light spraying, handling all kinds of sprays and disinfectants. Made of best quality heavy tin; with large filling hole and cork lined cap; with brass discharge tube and one extra nozzle. It has an air chamber, and throws a continuous stream. Capacity one quart. \$1.25

Midget Ideal Sprayer No. 122

Similar to the Ideal No. 125, except that it is smaller, and the tank holds only one pint of liquid. 40c

AUTO SPRAY No. 6
BUCKET PUMP

The most powerful bucket pump manufactured. Can easily generate a pressure of 200 lbs. It is double acting, and sprays perfectly on both the up and down strokes, making the spray continuous. The pump and valves complete are made entirely of brass. Shipping weight 6 lbs. Price, \$5.50.

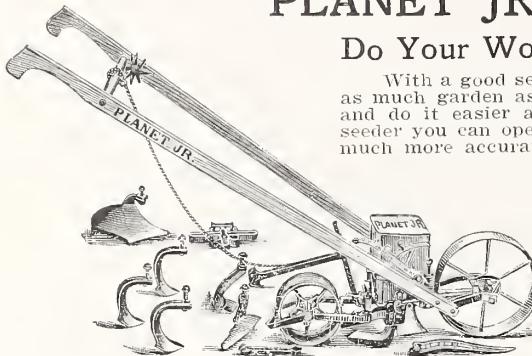


November 1, 1920.

Auto-Spray No. 6

PLANET JR. GARDEN IMPLEMENTS

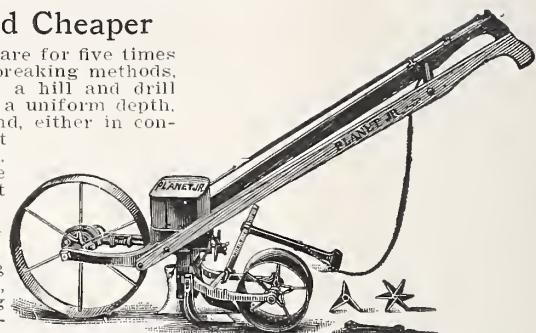
Do Your Work Easier, Better and Cheaper



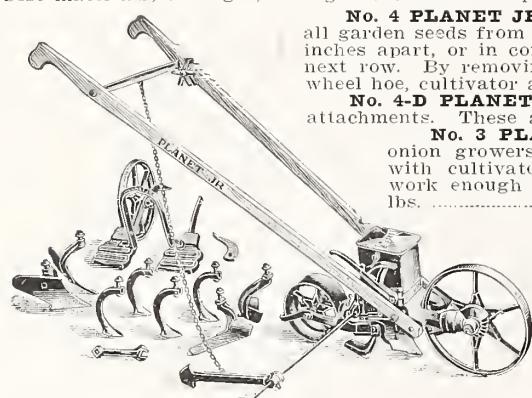
No. 4

With the wheel hoes and their attachments for cultivating, hillling, furrowing, covering, etc., gardening is made a pleasure. Much more work can be done, done better, and done easier. The double wheel hoes are designed for working astride the rows until the plants are twenty inches high, but work equally well between the rows. The single wheel hoes are adapted for working between the rows, but may be used astride the rows by moving the wheel to one side of the frame.

The Standard Jr. implements have been the standard garden implements for fifty years. Improvements have been made from time to time, and they are undoubtedly the best and most satisfactory tools for the purpose now on the market. They are well made of the best materials; are light, strong and durable. Repairs and attachments can be easily procured at any time.



No. 3

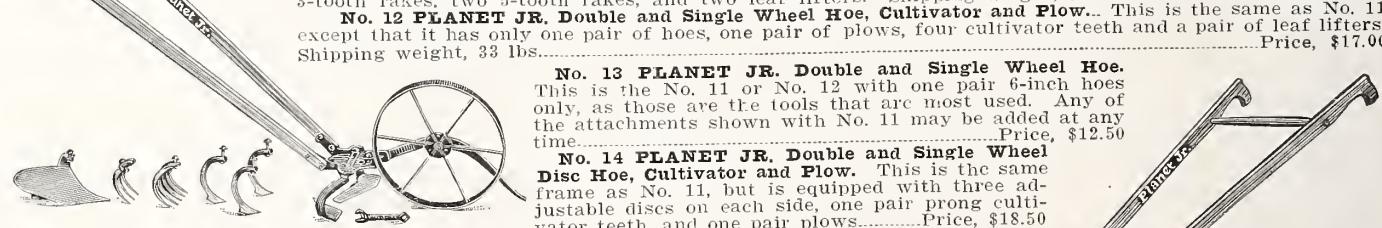


No. 25

No. 25 PLANET JR. Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow. As a seeder this is practically the same as the No. 4, and as a wheel hoe it has the same steel frame and cultivating attachments as the No. 12. Shipping weight, 61 lbs. Price, \$28.50

No. 11 PLANET JR. Combined Double and Single Wheel Hoe Cultivator, Plow and Rake. A double and single wheel hoe, combined. Has 14-inch steel wheels. Works astride the rows until the plants are twenty inches high, and can then be worked between the rows with either one or two wheels. Equipped with one pair 6-inch hoes, one pair 4½-inch hoes, four cultivator teeth, one pair plows, two 3-tooth rakes, two 5-tooth rakes, and two leaf lifters. Shipping weight, 39 lbs. Price, \$20.50

No. 12 PLANET JR. Double and Single Wheel Hoe, Cultivator and Plow. This is the same as No. 11 except that it has only one pair of hoes, one pair of plows, four cultivator teeth and a pair of leaf lifters. Shipping weight, 33 lbs. Price, \$17.00



No. 11

No. 16 PLANET JR. Single Wheel Hoe, Cultivator, Rake and Plow. Single wheel hoes are lighter than the double, and do almost the same work. They are used mostly between the rows, but by mounting the wheel on the other side of the arm they may be used on both sides of the row while the plants are small. Equipped with one pair 6-inch hoes, three cultivator teeth, one large garden plow, one 7-inch rake, one 4-inch rake and one leaf guard. Weight, 26 lbs. Price, \$14.00

No. 17 PLANET JR. Single Wheel Hoe. Same as No. 16 without rakes. Equipped with one pair 6-inch hoes, three cultivator teeth and one large garden plow. Shipping weight, 24 lbs. Price, \$12.00

No. 17½ PLANET JR. Single Wheel Hoe. Same as No. 16 with hoes and cultivator teeth only. Price, \$10.25

No. 18 PLANET JR. Single Wheel Hoe. Same as No. 16 with hoes only. Weight, 19 lbs. Price, \$8.75



No. 12

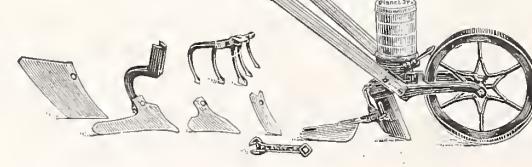
No. 31 PLANET JR. Combined Drill Seeder and Wheel Hoe. An excellent implement for the small gardener. It will sow even a small packet of garden seed with great precision, in a narrow row, at any desired depth from one-quarter inch to two inches. May be quickly changed to a wheel hoe. Equipped with one large garden plow, one 5-inch sweep, one 10-inch sweep, one 2-inch cultivator tooth and one 5-prong cultivating attachment. Shipping weight, 32 lbs. Price, 16.75

No. 31-D PLANET JR. Drill Seeder. Same as No. 31 without cultivating attachments. The attachments may be added at any time. Weight, 26 lbs. Price, \$13.75

No. 33 PLANET JR. Wheel Hoe. Same as No. 31 without seeder attachment. The seeder may be added at any time. Shipping weight, 22 lbs. Price, \$9.25

If you wish a more complete description of these implements and attachments, we will be pleased to mail you the Planet Jr. catalog.

Prices are F. O. B. Seattle, and do not include transportation charges.



No. 31

BOY SCOUT GARDEN PLOW AND CULTIVATOR

This is an excellent and inexpensive garden implement. It is all steel except the handles. The swing frame and extended curved handles insure easy running and a steady draft. The wheel is twenty-four inches in diameter, with heavy oval spokes. The slotted foot permits changing the draft to suit different soils. The handles may be raised or lowered to suit the operator. It is equipped with moldboard, reversible shovel, weeder and cultivating tool combined, and a wrench. Shipping weight, 24 lbs. Price, F. O. B. Seattle, \$5.25

HOCKING VALLEY CIDER MILLS

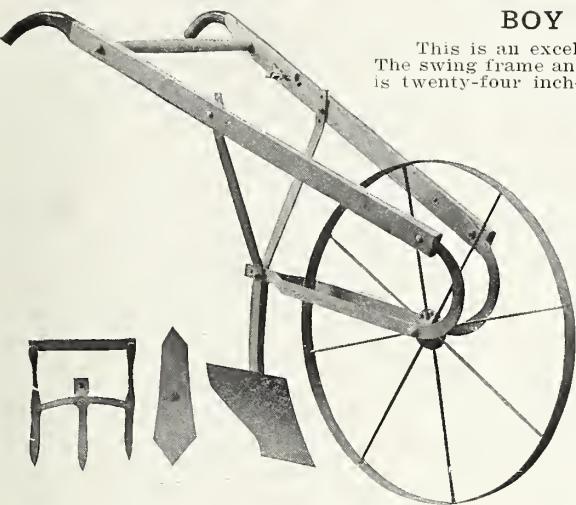
In the Hocking Valley Cider Mills are adapted the principle of the large hydraulic presses to the hand mill. The grinding device consists of a hardwood cylinder, with serrated steel knives running lengthwise, which break down the juice cells and make a pomace that yields under the press every particle of juice in the fruit. A quart of water will clean it after using. An important feature of these mills is the absence of metal of any kind to rust and impair the quality of the cider.

Single Tub Mill

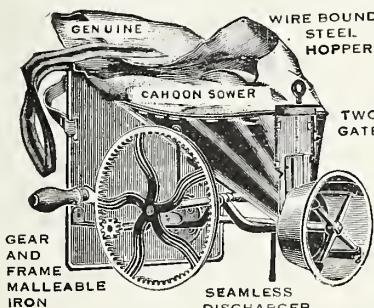
BANTAM HOCKING VALLEY MILL. The tub is 10 inches in diameter by 10½ inches high. An ideal mill for family use. Can be used to press grapes and other fruit as well as apples. Weight, 120 lbs....Price, \$30.00

Double Tub Mills

The two tub Hocking Valley Cider Mills are made in the following sizes, all having greater capacity than corresponding sizes of other mills. The Hocking Valley Junior, in capacity, almost equals the Medium of other mills.



Frames are substantially built to stand all strains to which they may be subjected. Tinned rivets are used to prevent any rust reaching the cider. Pulleys for operating the Medium and Senior mills by power can be furnished with these mills as an extra.



JUNIOR HOCKING VALLEY CIDER MILL. Two tubs, 10x10½ inches. Weight, 175 lbs.....Price, \$42.50

MEDIUM HOCKING VALLEY CIDER MILL. Two tubs, 12x12½ inches. Weight, 225 lbs.....Price, \$56.00

SENIOR HOCKING VALLEY CIDER MILL. Two tubs, 14x15½ inches. Weight, 360 lbs.....Price, \$75.00

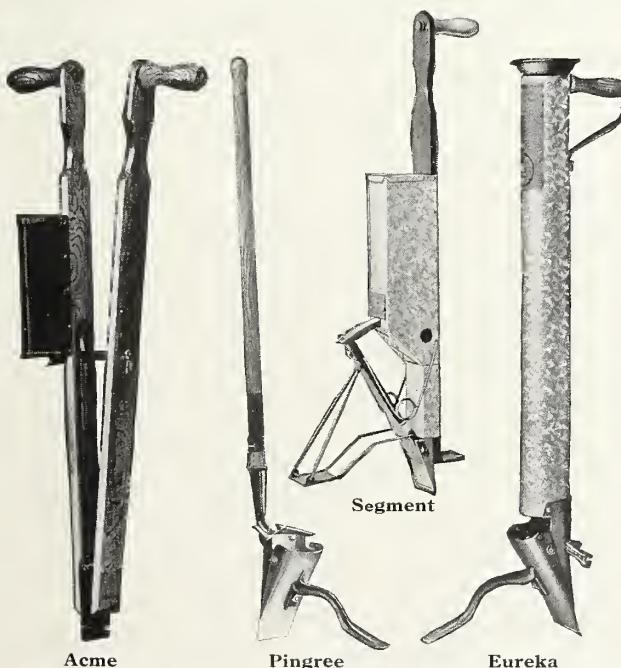
PULLEY. For operating the Medium or Senior mill by power.....Price, \$2.75

Drop in at any one of our four stores and inspect these goods, and get acquainted.

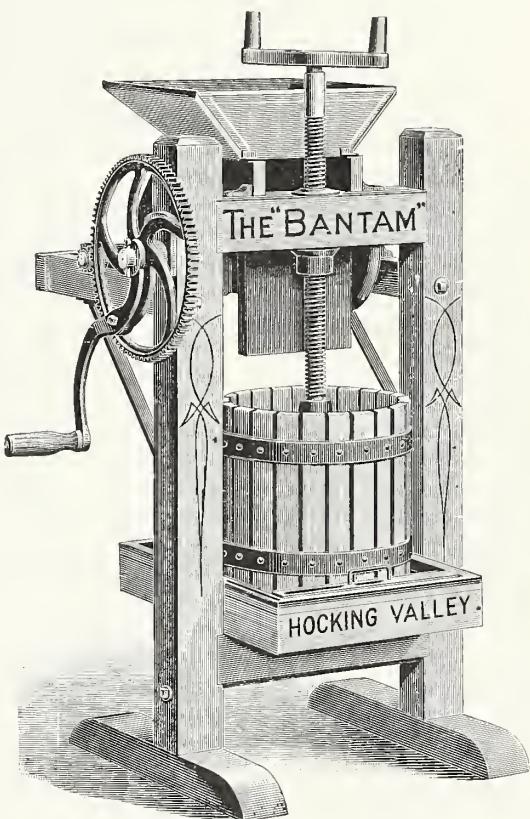
CAHOON BROADCAST SEEDER

The Cahoon Seed Sower is recognized the world over as the standard broadcast seed sower. This machine has been on the market well over half a century, and during all these years it has stood at the head of its class.

It is made of steel, iron and brass, and so constructed that with ordinary use it will last a lifetime. When used according to directions it is guaranteed to perform its work with perfect satisfaction. It sows wheat, barley, oats, rye, buckwheat and other grains and grasses five times faster than by hand, and by its even distribution will effect a saving of one-third in the seed. At a common walking gate it will sow from four to eight acres per hour, according to the seed used. Shipping weight, 8½ lbs.....Price, \$5.00



IF YOU
ARE NOT
SATISFIED
WITH OUR
GOODS
TELL US
ABOUT IT



PLANTERS

ACME CORN PLANTER. A two-handled planter; light, strong and durable. Especially adapted for planting in heavy, cloddy or stony soils. Will drop seed ranging in size from popcorn to kidney beans. Weight, 5 lbs.....Price, \$1.60

PINGREE POTATO PLANTER. Easy to operate; simple, strong and durable. It has self-locking jaws and adjustable depth gauge which plants uniformly any depth desired. At one operation the hole is made, seed dropped and covered. Weight, 4 lbs.....Price, \$1.60

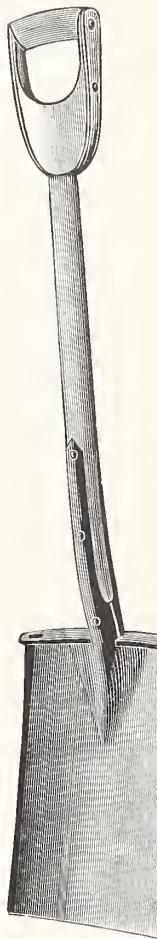
SEGMENT CORN PLANTER. A light, strong and accurate planter. The working parts are of steel, the brush of genuine Chinese bristles, the seed box and hopper of galvanized iron. Weight, 5 lbs.....Price, \$2.50

EUREKA POTATO PLANTER. Has a long tube which obviates the necessity of raising the planter for the purpose of depositing the potato in the jaws. The operation is very simple, and the planter cannot get out of order. Weight, 5 lbs.....Price, \$2.25

We had tried for eight years to raise cabbages, but failed on account of maggots. On the first trial of Mag-o-tite we have had great success; also with cauliflower; and our radishes were certainly wonderful, fine, big, red ones, with not a maggot to be found.

WM. H. SHOREY.

GARDEN TOOLS



Adjustable Full Easy Cultivator. Adjustable by simply loosening two wing nuts. Middle tooth may be removed so that the cultivator will straddle a row of small plants. Nine teeth, made of cold pressed steel. Ash handle, 4½ feet long. Weight 4 lbs. Price, \$1.65

Norcross Five Prong Cultivator No. 5. A very useful hand garden tool. It will remove weeds, will pulverize the ground thoroughly, leaving it level, it will work between the rows, or the middle tooth may be removed and it will work astride the row. The handle may be removed and the cultivator attached to a wheel cultivator. Has five ¼-inch square spring steel prongs, and 4-foot ash handle. Price, \$1.25

Norcross Three Prong Cultivator No. 3. Same as the No. 5, except that it has only three prongs. Price, 75c

Midget Hand Weeder No. MW. Style similar to the Norcross Cultivator, but is small, has three steel prongs and a short handle. Price, 45c

Hand Weeder No. 45. A small, hand weeding fork, with four prongs; tinned; 10½ inches over all. Weight ½ lb. Price, 35c

Hand Weeder No. 1. A small hand weeder with five claw fingers. Malleable iron, tinned. Wood handle. Price, 15c

Garden Set No. 3 PF. A light set of electric forged garden tools for ladies or boys, consisting of Rake, Shovel and Hoe. Weight, 5½ lbs. Price, \$2.00

Garden Set No. 4 PF. A four-piece set, similar to No. 3 PF, consisting of Rake, Shovel, Hoe and Spading Fork. Weight 7 lbs. Price, \$2.75

Garden Trowel No. 1645. A light, strong, well-made steel trowel. 25c

Transplanting Trowel No. 1545. Similar to the Garden Trowel, but with a narrow blade. Price, 25c

Pacific Spade, Size No. 2, D-Handle. Solid cast steel, polished. \$2.00

Pacific Spade, Size No. 2, Long Handle. Solid cast steel, polished. \$2.00

Luther Burbank Spade No. D2. Especially strong; best steel; socket strap; D handle. Price. \$2.25

Luther Burbank Spade No. L2. Long handle; socket strap; best quality. \$2.25

Boy's Spade No. 50. D handle, cast steel, plain strap, plain back. \$1.75

Pacific Shovel, Size No. 2, D Handle, Square Point. Solid crucible steel, polished; socket strap; plain back. \$2.25

Pacific Shovel, Size No. 2, Long Handle, Round Point. Solid crucible steel, polished, socket strap, plain back. \$2.25

Pacific Shovel, Size No. 2, D Handle, Round Point. Solid crucible steel, polished, socket strap, plain back. \$2.25

Pacific Shovel, Size No. 2, Long Handle, Square Point. Solid crucible steel, polished; socket strap, plain back. \$2.25

Spading Fork No. SLD. Malleable D top; four light angular steel tines; strapped ferrule, bronzed. \$1.70

Spading Fork No. SL4. Four-foot handle; four light angular steel tines. Strapped ferrule, bronzed. \$1.60

Hoe No. GS20. Solid socket, bronzed; polished steel blade. Assorted sizes, 7, 7½ and 8 inches. \$1.15

Hoe No. GM20. Solid shank, bronzed; polished steel blade. Assorted sizes, 7, 7½ and 8 inches. \$1.00

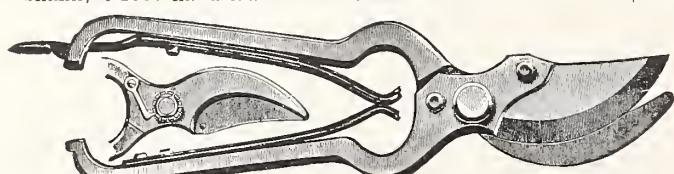
Warren Garden Hoe No. 7½ W. Heart-shaped polished blade, 7½ inches deep, 6½ inches wide. Solid socket. \$1.25

Cultivator Hoe No. BB6. Riveted shank; 6-inch square blade on one side and pointed on the other. \$1.00

Acme Weeding Hoe No. A. Riveted shank, 4½-inch square blade on one side, two cultivator prongs on the other. \$1.15

Scuffle Hoe No. XGS. 8 by 2½ inch steel blade; malleable braced shank; 6-foot handle. \$1.20

Lightning Scuffle Hoe No. VS. V-shaped steel blade; heavy shank; 6-foot handle. \$1.50



Colonial Pruning Shears No. 103. 9-inch steel frame, full polished. Hand-forged steel blades, with lock-nut regulating ratchet. Double brass springs. Weight, 1¼ lbs. \$2.25

Colonial Pruning Shears No. 900. 9-inch polished steel frame. Polished steel blade, riveted. Volute spring. Weight 1 lb. Price. \$1.75

Grape or Flower Shears No. 7436½. Length 7 inches; solid steel; polished blade. Volute spring. Weight, 5 ounces. 80c



Waters Tree Pruners. The standard and best long handled tree pruner. Cuts limbs up to ¾ inch in diameter. A spring resets the cutting blade.

| | |
|--------------|-------------|
| 6 feet long | \$2.25 |
| 8 feet long | 2.50 |
| 10 feet long | 2.75 |



Colonial Grass Hook No. 10.

Highest quality. Steel blade, polished face ground sharp. Handle and shank enamelled in black. Triple bolt fastening. Perfect

balance. Weight, 1 lb. Price. 75c

Colonial Grass Hook No. 7. Offset blade, natural finish. Bevelled hardwood handle. Tang through handle and riveted. Price. 45c

Colonial Grass Shears No. 267X. Solid steel, hardened and tempered blade, full polished. Length 5½ inches. Price 80c

Turf Edger No. 11. For trimming the sod around borders of walks, etc. A steel blade, with solid shank, on a 52-inch ash handle. \$1.15

Potato Hook No. 4AE. Bent head, 52-inch handle; four diamond back tines. \$1.20

Rake No. 12SM. Malleable iron; straight teeth; web brace; twelve teeth. Weight, 3 lbs. 60c

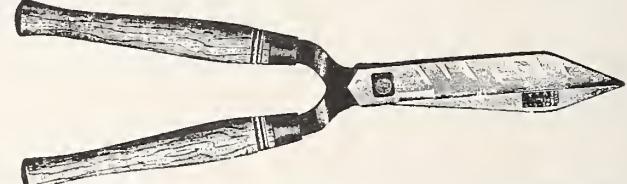
Rake No. 14SM. Malleable iron; fourteen straight teeth; web brace. Weight, 3 lbs. 65c

Rake No. 12B. Steel; twelve curved teeth; braced shank. \$1.20

Rake No. 14B. Steel; fourteen curved teeth; braced shank. \$1.25

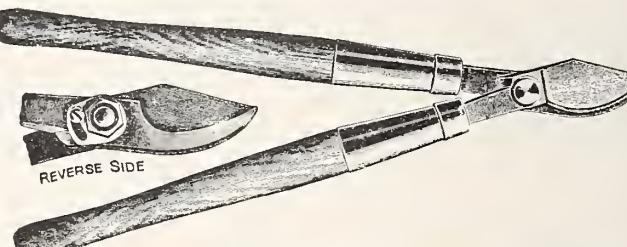
Rake No. 16B. Steel; sixteen curved teeth; braced shank. \$1.80

Rake No. 24. Tinned metal head, 24 tinned wire teeth. 85c



Hedge Shears, Wilkinson's No. 101. Extra quality steel blades, notched; hardwood handles; steel ferrules; 8-inch blades. \$2.50

Same, with 10-inch blades. 3.00



Colonial Pruning Shears No. 326, Fresno Pattern. High tempered steel cutting blades, 26 inches long. Best quality hardwood handles; steel ferrules. Weight, 4 lbs. \$3.00

Red Clipper Draw Cut Pruning Shears No. 2. 22-inch handles, painted red. The blade, hook and shank are best tool steel. Weight, 5 lbs. \$3.50

Randall-McLoughlin,
Seattle.

Gentlemen:

You will remember that in the early spring, after a good deal of persuading, I purchased from you a bag of Mag-o-tite to make one more trial in growing onions and radishes. For the past ten years I have about given up trying to grow onions, turnips, radishes and cabbages, for the reason that the maggots got all of them.

Well, gentlemen, the Mag-o-tite has done the work. I have the best garden that I have had for years. When I tell you that I devote all my spare time to my garden, this means a good deal.

I have told a great many people of your excellent remedy, and they have had equally good results. There is absolutely no doubt about the efficiency of Mag-o-tite.

I consider that you have solved one of the most serious problems in truck growing for the state of Washington, and next year I shall go at my garden with greater enthusiasm than I have done for a long time.

Yours truly,

HOMER STOUT,
Street Railway Inspector.

HOT-BED THERMOMETER

For testing the temperature in hot-beds, mushroom beds, etc., by thrusting it into the soil. This is an extra strong and durable thermometer, encased in wood with a steel point..... \$1.75

GREENHOUSE THERMOMETER

A well made, dependable and inexpensive thermometer for use in greenhouses and other places. Metal case..... \$0.75

POT LABELS

Wood labels for labeling plants in pots, greenhouses, gardens, etc. 4x $\frac{5}{8}$ inches. Weight, per 100, 5 oz. Price, per 100, \$0.20; 1,000, \$1.30. 6x $\frac{5}{8}$ inches. Weight per 100, 8 oz. Price, per 100, \$0.30; 1,000, \$2.40.

GARDEN STAKES

For marking and labeling plants or rows in the garden or nursery, 12x1 $\frac{1}{8}$ inches. Weight per 100, 2 $\frac{1}{2}$ lbs. Price, per 100, \$1.25; 1,000, \$10.00.

TREE LABELS

Wood labels, copper wired, for labeling trees, plants, etc., 3 $\frac{1}{2}$ inches long, $\frac{3}{8}$ inches wide. Weight per 100, 7 ounces. Price per 100, \$0.30; 1,000, \$2.30.

BAMBOO PLANT STAKES

Bamboo rods for supporting plants. Six and one-half feet long. Weight about twelve pounds per 100 stakes. Doz., 50c; 100, \$3.00.

PEERLESS GLAZING POINTS

For greenhouse and hotbed sash. Only two required for each pane of glass, and so constructed that the glass cannot slide. Packed 1,000 in a box; weight 1 lb. Price, per box of 1,000, \$0.85.

RAFFIA

For nursery and greenhouse work and for making baskets, etc. natural color only. Sold in full skeins. Skeins vary in weight from 1 lb. to 2 $\frac{1}{2}$ lbs. Write for prices on large quantities. Price per lb., \$0.50.

GRAFTING WAX

An especially good quality of grafting wax. Write for prices on large quantities. Price, $\frac{1}{4}$ lb., 20c; $\frac{1}{2}$ lb., 35c; 1 lb., 75c.

HANGING BASKETS

Strong, well constructed baskets made of coppered wire painted green. Two sizes..... 12-inch, each, 30c; 14-inch, each, 40c

JAPANESE TUBS FOR PLANTS

Empty saki tubs, 14 inches in diameter. Heavy bamboo hoops..... Price, each, 50c

CREOLA

A white disinfectant paint in dry powdered form, ready to use when mixed with cold water. Excellent for poultry houses, stables, dog houses, dairies, out-houses, etc. Does not flake or peel off. Easily applied with either a brush or spray pump. Price, 5 lbs., 75c; 100 lbs., \$13.00.

VICTORY RAT TRAP

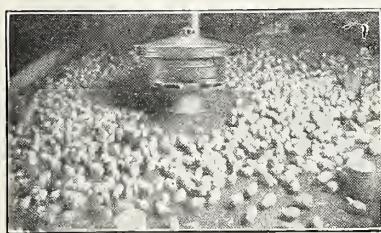
The most effective trap for catching rats and other varmints. It is released by slight movement, either upward, downward or sideways, and is sure to catch.... Each, 25c; Dozen, \$2.00.

VICTORY MOUSE TRAP

Same as the Victory Rat Trap except that it is smaller. Each, 10c; Dozen, \$1.00.

KRESKY

CONE TRIPLE VENTILATING BROODER STOVE



We are fortunate in having secured the agency for the Kresky Brooder Stoves, which we consider the best on the market. It is one of the oldest of this type of stoves, improved and kept up to date, and has been used by poultrymen in this vicinity for several years. Practical use has demonstrated that it is thoroughly reliable and efficient. It burns kerosene oil, which is supplied from a tank located outside the brood house. There is no wick to be bothered with, no danger of fire, no dirt, no muss, no unpleasant labor, and it is economical.

The regulator is a very important feature of this stove. It may be depended upon to keep an even temperature regardless of sudden climatic changes.

As will be seen by referring to the diagram at the right, this stove takes fresh air from under the floor of the building. The heat is evenly distributed and radiated to the floor, so that the temperature under the drum is no warmer than in other parts of the room.

These stoves and the Kresky system of brooding are described in detail in the Kresky catalog, which we will be pleased to mail to all who are interested in the brooding of chicks.

NO. 2-B KRESKY BROODER STOVE. Like the cut at the left. For brood room sixteen feet square, to care for up to fifteen hundred chicks. It has a 42-inch radiator, and is equipped with a 15-gallon oil tank, regulator, thermometer and one length of stove pipe. Price, \$62.50.

NO. 4-B KRESKY BROODER STOVE. Same as the No. 2-B in every respect except that the radiator is fifty inches in diameter. Price, \$65.00.

NO. 12-A KRESKY BROODER STOVE. This stove will care for one thousand chicks or less. It is suitable for use with an eight-foot canopy which we can furnish for those who prefer this system of brooding. Equipped with oil tank, regulator, thermometer and one length of stove pipe. Price, \$55.00.

KRESKY BROODER STOVE HOVER. An eight foot canopy which may be used with the No. 12-A Brooder Stove by those who prefer that system of brooding. Without curtains, pulleys or rope. Price, \$25.00.

With curtains, pulleys and rope. Price, \$30.00.

5-in. Pipe, No. 26 Black Sheet Steel, 24-inch..... \$0.45

5-in. Pipe, No. 26 Galvanized Steel, 24-inch..... .70

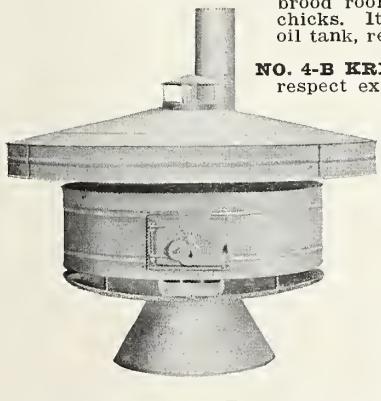
5-in. Pipe, No. 26 Galvanized Steel, 30-inch..... .80

5-in. Galvanized Hood..... .60

5-in. Galvanized Saddle..... 1.00

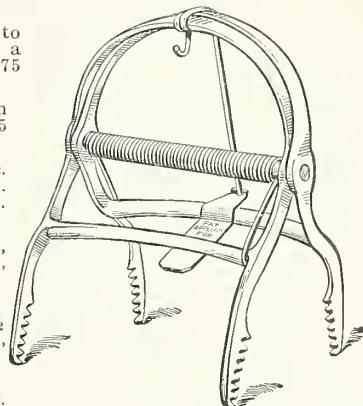
5-in. Galvanized Roof Plate..... 1.00

5-in. Galvanized Ceiling Plate, 15x15 inches..... .30



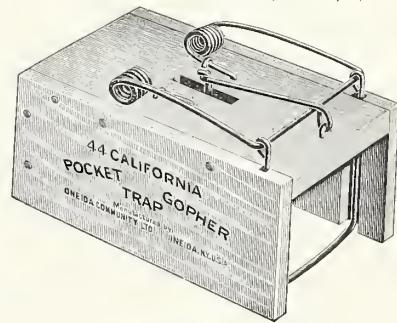
No. 4-B

If you are interested in chicks, we mail you the Kresky book describing this system of brooding. Drop in at our Westlake store and see one of these stoves in operation.



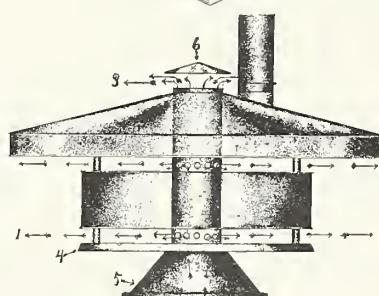
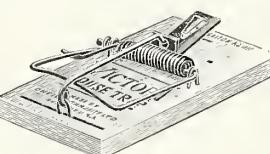
Out O'Sight Mole Trap

The best and most effective mole trap made. Light, neat and strong. When set in a regular runway, any mole that attempts to pass is sure to be caught. Weight 1 $\frac{1}{2}$ lbs. Price, each, \$1.50.

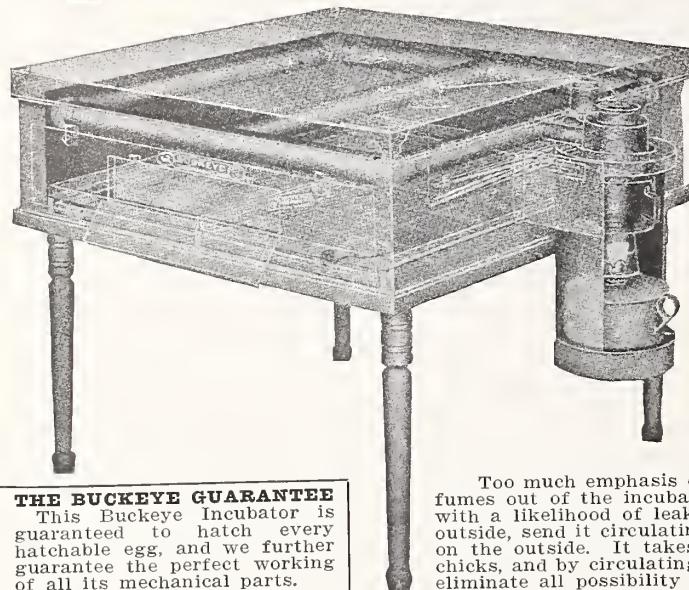


GOPHER TRAP

The best and surest trap for catching gophers. Weight 1 lb. Price, each, 25c; Doz., \$2.50.



No. 12-A


THE BUCKEYE GUARANTEE

This Buckeye Incubator is guaranteed to hatch every hatchable egg, and we further guarantee the perfect working of all its mechanical parts.

Hatch More and Stronger Chicks

The Buckeye will hatch more chicks and stronger chicks than any other make of incubator. It requires no artificial moisture; will operate satisfactorily in any climate, and requires no attention to the regulator from the time the hatch is started until it is finished.

Any Buckeye Incubator, regardless of size or style, can be heated to 103 degrees inside of an hour. The average incubator requires from twelve to twenty-four hours to reach this degree of heat.

No Previous Experience Necessary

It is not necessary to have any previous experience to operate

No. 14 Style E Buckeye Incubator

The No. 14 is especially adapted for use by the small raiser. It has all the important features of the larger machines, such as visible thermometer, and the Buckeye heating and ventilating system. The temperature is easily regulated and the consumption of oil is low. It differs from the larger sizes in having short legs. Weight, crated for shipment, 55 lbs. Capacity, 65 eggs. Price\$19.75

No. 16 Style E Buckeye Incubator

This machine is the same as No. 14 except that it has a greater egg capacity and long legs instead of short ones. Weight, crated for shipment, 85 lbs. Capacity, 120 eggs. Price.....\$33.75

No. 17 Style E Buckeye Incubator

Same as No. 16 except that it has greater egg capacity. All Style E incubators have single walls and are equipped with galvanized rust-resisting heaters. Weight, crated for shipment, 125 lbs. Capacity, 210 eggs. Price.....\$46.00

Too much emphasis cannot be attached to the importance of keeping impure gases and fumes out of the incubator. Instead of passing the hot-air fumes through the incubator, with a likelihood of leakage in the conductor at any time, we heat the hot water on the outside, send it circulating around the egg chamber, and keep all the fumes from the lamp chicks, and by circulating hot water through the egg chamber instead of hot air we entirely eliminate all possibility of damage to the eggs.

a Buckeye. The entire Buckeye system is so simple that a boy or girl can operate it as satisfactorily as an experienced operator.

Buckeye Standard Incubators

The Buckeye Standard is an improved Buckeye. It is fire-proof and fool-proof. It is equipped with every desirable device that could possibly add to the efficiency of an incubator.

Only the best material is used throughout, and a Standard should last a lifetime. In addition to being the most satisfactory hatcher on the market, the Standard Buckeye is fire-proof, and therefore insurable. Each machine is inspected by the National Board of Insurance Writers before it is put on the market.

No. 1 Buckeye Standard Incubator

The No. 1 Standard has a capacity of 120 hen eggs or 35 duck eggs. It is complete in every detail, and is ready for immediate use. Weight, crated for shipment, 100 lbs. This incubator is insurable, and bears the Underwriters' label. An improved feature of all Standard Incubators is the enclosed lamp. Price\$46.50

No. 3 Buckeye Standard Incubator

No. 3 Standard has a capacity of 250 hen eggs or 200 duck eggs, and is complete and ready for use. Weight, crated for shipment, 200 lbs. This machine is insurable, and bears the Underwriters' label. Price.....\$69.75

No. 5 Buckeye Standard Incubator

The No. 5 Standard has a capacity of 600 hen eggs or 480 duck eggs. Outside dimensions, 54 inches square, 36 inches high. Equipped with four egg trays, holding 150 eggs each. Double doors on front and back. Complete and ready for use. Bears Underwriters' label. Weight, crated for shipment, 325 lbs. Price\$129.00

BUCKEYE STANDARD COAL BURNING COLONY BROODER SELF FEEDING



BUCKEYE BLUE-FLAME BROODER

Oil Heated—Wickless Burner

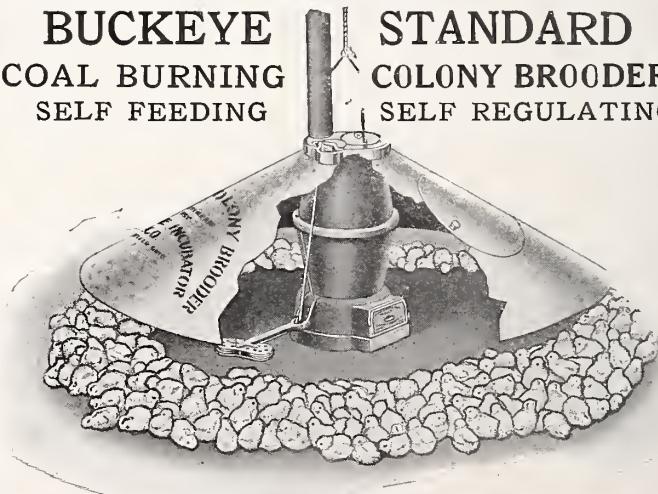
The Buckeye Blue Flame Brooder burns kerosene oil with a clean, steady, blue flame that gives an abundance of heat. There are no wicks to be trimmed, no gas fumes, and it is safe and economical.

The wickless burner has a visible oil feed that is easily regulated and controlled. The one-gallon oil container is glass and is outside of the hover, the oil being fed to the lighting ring in the center of the hover only as needed, and cannot become heated or ignited by the burner.

The hovers are made of galvanized steel, and are supported by steel legs.

No. 11—42-inch Hover. Capacity 500 chicks or less. Shipping weight, 50 lbs. Price, complete, \$25.75

No. 12—52-inch Hover. Capacity 1000 chicks or less. Shipping weight 60 lbs. Price, complete, \$29.75



These brooder stoves are efficient and satisfactory in every respect; require but little attention, and can be operated anywhere where the natural temperature does not fall below freezing. They burn hard coal, coke, briquettes or gas. The hover is galvanized steel, and can be readily raised out of the way when the stove needs attention. The temperature is regulated automatically by a thermostat which holds the temperature within a range of one or two degrees.

No. 18. 42-inch Hover. Capacity 500 chicks.....Price, \$27.75

No. 19. 52-inch Hover. Capacity 1,000 chicks .. Price, \$34.25

BUCKEYE INCUBATORS

Hatch Every Hatchable Egg

We are exclusive agents in Seattle for the famous Buckeye Incubators and Brooders. Years of experience in the poultry supply business has convinced us that these are the most efficient hatchers on the market. The Buckeye Incubators are sold under an iron-clad guarantee to hatch a chick from every hatchable egg. This is the guarantee the makers give with every machine sold.

The unprecedented success which has followed the Buckeye for twenty-five years is primarily due to the invention of the Buckeye hot-water system. Without this wonderful system of hot-water heating, that perfect balance between the temperature, moisture and ventilation which is so necessary to successful incubation would be a physical impossibility. The ability to heat the egg chamber without cooking all the moisture out of the air is not only responsible for the abundant supply of natural moisture, but at the same time the soft radiated heat from the hot-water tank provides an absolutely uniform temperature, and permits a perfect ventilation of the egg chamber.

Without this system of hot-water heating it would be necessary to heat the egg chamber with currents of hot air, and it is now an established fact that the temperature and ventilation of an incubator cannot be successfully balanced where hot air currents are used.

The Buckeye Standard is an improved Buckeye. It is fire-proof and fool-proof. It is equipped with every desirable device that could possibly add to the efficiency of an incubator.

Only the best material is used throughout, and a Standard should last a lifetime. In addition to being the most satisfactory hatcher on the market, the Standard Buckeye is fire-proof, and therefore insurable. Each machine is inspected by the National Board of Insurance Writers before it is put on the market.

No. 1 Buckeye Standard Incubator

The No. 1 Standard has a capacity of 120 hen eggs or 35 duck eggs. It is complete in every detail, and is ready for immediate use. Weight, crated for shipment, 100 lbs. This incubator is insurable, and bears the Underwriters' label. An improved feature of all Standard Incubators is the enclosed lamp. Price\$46.50

No. 3 Buckeye Standard Incubator

No. 3 Standard has a capacity of 250 hen eggs or 200 duck eggs, and is complete and ready for use. Weight, crated for shipment, 200 lbs. This machine is insurable, and bears the Underwriters' label. Price.....\$69.75

No. 5 Buckeye Standard Incubator

The No. 5 Standard has a capacity of 600 hen eggs or 480 duck eggs. Outside dimensions, 54 inches square, 36 inches high. Equipped with four egg trays, holding 150 eggs each. Double doors on front and back. Complete and ready for use. Bears Underwriters' label. Weight, crated for shipment, 325 lbs. Price\$129.00

MOE'S WALL FOUNTAINS

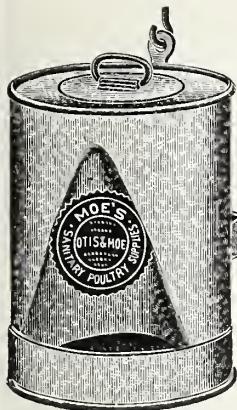
A convenient and very popular style of fountain. Can be hung on the wall, out of the way. The style "A" is made with removable bottom, so that it can be easily cleaned. Made of galvanized iron.

No. 26-A Removable bottom. Capacity 1 gallon. Weight 2 lbs. \$0.85
No. 74. Permanent bottom. Capacity 5 gallons. Weight 6 lbs. 2.50

MOE'S STAR JAR FOUNTAIN AND FEEDER

The most simple, practicable and durable Mason Jar Fountain on the market. Will fit pint, quart or half-gallon Mason jars. Made of one piece of non-rusting metal. No parts to come unsoldered. Can be used for feed as well as water.

No. 32 Without jar. Weight 4 lbs. per doz. Each, 15c; Doz. \$1.50



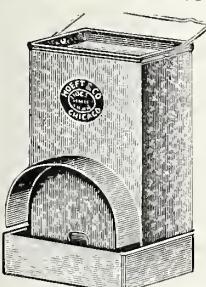
Wall Fountain



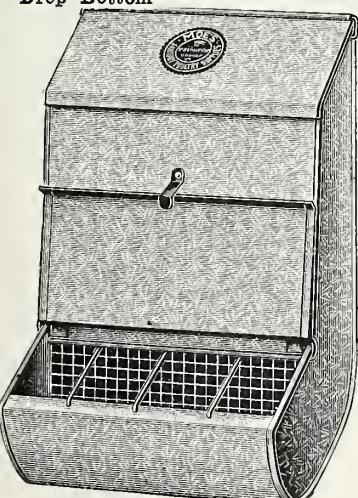
BABY CHICK FEEDER

Cannot be upset, and chicks cannot get into it and contaminate the feed. Can also be used for water or milk.

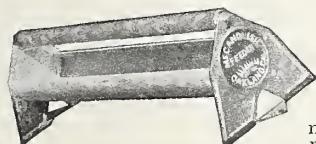
No. 11. Diameter 6 in. \$0.25
No. 12. Diameter 8 1/4 in. .40



Drop Bottom



Dry Mash Hopper



Prices, 12-inch, 35c.

20-inch, 50c.



Star Fountain

FEED AND WATER DISH

For feed or water for rabbits. Made of galvanized iron. Held to floor of hutch by a simple locking device, easy to remove for cleaning.

No. 46. Weight 1/2 lb. \$0.30



MOE'S GRIT AND SHELL BOXES

Grit, shell and charcoal are recognized as essential parts of poultry diet. They cannot be more economically supplied than in one of these inexpensive compartment boxes.

No. 45. For baby chicks. Weight 1 lb. \$0.50
No. 9. For grown birds. Weight 3 lbs. 1.25
No. 90. Four compartments. Weight 3 1/2 lbs. 1.60



WATER AND FEED CUP

Holds about one pint, and hangs straight when applied to the coop. Can be attached to any exhibition coop.

No. 61. Weight 3/4 lb. \$0.20

MOE'S DROP BOTTOM WATER FOUNTAIN

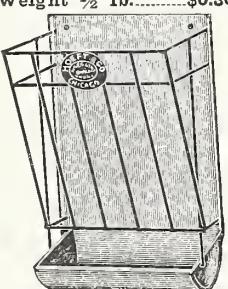
May be hung on the wall out of dirt and litter. Nothing to get out of order. Easy to fill and easy to clean. May be used for chicks, fowls or pigeons. Made of galvanized iron. Made in three sizes.

No. 40. Capacity 2 quarts. Weight 1 1/2 lbs. Price, F. O. B. Seattle, \$1.00
No. 41. Capacity 1 gallon. Weight 2 lbs. 1.25
No. 42. Capacity 2 gallons. Weight 3 lbs. 1.60

MOE'S VEGETABLE AND HAY RACK FOR POULTRY AND RABBITS

For feeding roots, green food, sprouted oats, hay, etc. Keeps the food clean and prevents waste. Soon saves enough to pay for itself. Made of galvanized iron.

No. 44. Weight 1 3/4 lbs. Price, F. O. B. Seattle, \$0.85



Feed Rack



Sanitary Feeding Troughs

MOE'S SCRAPER AND CLEANER

Made of one piece of galvanized iron. Just the thing for cleaning brood coops, nests, dropping boards, rabbit hutches, etc. You can get into the corners with it.

No. 47. Length 10 inches. Weight 3/4 lb. \$0.30

MOE'S DRY MASH HOPPER

The curved bottom of this hopper keeps the feed within easy reach of the birds. The gradual enlargement from top to base prevents clogging. The wire grid and the wires running from the flange through the wire grid prevent any chance of the fowls throwing out or wasting the feed. The sloping cover prevents the birds from roosting on the hopper. When both covers are closed it is rat and mouse proof.

No. 35. Width 8 1/2 inches. Weight 4 lbs. \$2.00
No. 36. Width 12 inches. Weight 5 lbs. 2.65
No. 37. Width 24 inches. Weight 11 lbs. 4.10

SANITARY FEEDING TROUGH

Can be used for feed, wet mash or water. The barred top prevents wasting of food. Made of best grade of galvanized iron. In three sizes.

No. 21. 12 inches long. Wt. 1 lb. \$0.65
No. 22. 18 inches long. Wt. 1 3/4 lb. .90
No. 23. 24 inches long. Wt. 2 1/4 lb. 1.20

MOE'S TOP FILL FOUNTAINS

The double wall keeps water cool in summer and retards freezing in winter. Thoroughly sanitary and as easily cleaned as a pail. Can be hung up out of the litter; the square pan prevents spilling.

No. 1. Top Fill Fountain. 1 gallon. Weight 4 lbs. \$2.10
No. 2. Top Fill Fountain. 2 gallons. Weight 5 lbs. 3.00
No. 4. Top Fill Fountain. 4 gallons. Weight 8 lbs. 4.00

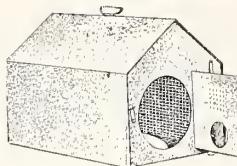
McCANDLISH IMPROVED CHICK FEEDER

Made of galvanized iron. No rough edges. Cannot capsize. Chicks cannot waste the food. Has adjustable partitions for various kinds of feed. A revolving rod prevents the chicks from perching upon it. Made in three lengths.

Prices, 12-inch, 35c. 20-inch, 50c. 30-inch, 75c.

Prices are subject to change. Write for prices on large quantities.





23 inches long and 16 inches high. Weight 6 lbs.....Price, \$3.25.

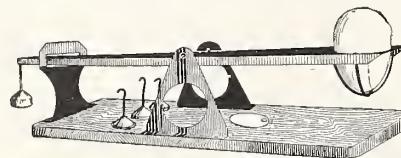
METAL BROOF COOP

A complete home for the hen and her brood. Removable bottom for sanitation. Combination door for ventilation, to keep the hen inside and give the chicks their liberty, for absolute protection against animals and weather, and to keep the chicks in. It is collapsible and can be stored in small space. Made of heavy galvanized iron, 16 inches wide,

KRESKY AUTOMATIC WATER VALVE

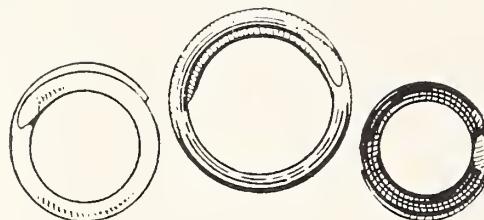


A neat and simple arrangement for replenishing and keeping water at a certain level in any water vessel or trough for poultry or stock. Screws onto standard $\frac{3}{4}$ -inch pipe thread. Made of brass; will not rust or get out of order.....Price, \$1.50.



GILT EDGE EGG SCALE

The standard scale for grading eggs. By grading your eggs you get fancy prices. Accurate and inexpensive.....Price, \$2.00.



MOE'S KEY RING LEG BANDS

Made of celluloid in six sizes. The three larger sizes are exact size of above etchings. The largest size is for very large birds, including Asiatic Fowls and Turkeys. The next size is for American Fowls, including Rhode Island Reds and birds of similar size. The smaller cut represents the size for Leghorns and other Mediterraneans. The three smaller sizes are for Bantams, Pigeons and Baby Chicks. When ordering, name breed wanted for and we will send correct size. Each size is made in ten colors, as follows: Black, White, Dark Blue, Light Blue, Pink, Red, Garnet, Green, Yellow and Purple. Specify color wanted.

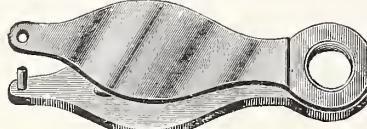
Prices: the four larger sizes, for Asiatics, Americans, Mediterraneans and Bantams; 12 bands, 20c; 25, 30c; 50, 50c; 100, 85c; 500, \$3.60; 1,000, \$7.00.

The two smaller sizes for Pigeons and Baby Chicks: 12 bands, 15c; 25, 20c; 50, 40c; 100, 75c; 500, \$2.50; 1,000, \$4.50.



An aluminum leg band, adjustable to any size required, and fastened very securely. Made in two sizes; No. 1 for ordinary hens, and No. 2 for males and very large hens.

Price, either size, 25 bands, 30c; 100, 85c; 1,000, \$7.50.



POULTRY PUNCH

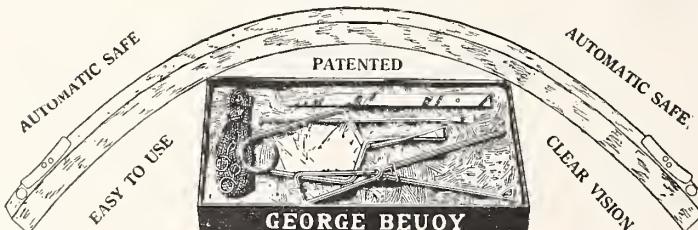
A poultry punch for marking baby chicks. Punches a clean hole in the web between the toes. Will not bruise the foot.

Price, postpaid, 25c.

NEST EGGS

Best grade China nest eggs. Weight $\frac{3}{4}$ lb. per dozen.

Price, postage additional, each 5c; dozen, 40c; gross, \$4.00.



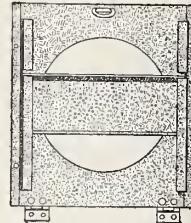
MOE'S TRAP NEST FRONT

This inexpensive device meets a popular demand. With it a box can be converted into a trap nest at small expense. Simple in operation, with no small parts to get out of order. The front is hinged, making it easy to remove the birds or clean the nest. Made of galvanized iron; 11 inches wide, 12 inches high. Weight 1 $\frac{1}{4}$ lbs.....Price, \$0.60.

GALVANIZED IRON NESTS

Well made of galvanized iron, 47 inches long, 12 inches wide, 10 $\frac{1}{2}$ inches deep, divided into five compartments. Weight 12 lbs.

Price, \$4.15.



WIRE HEN'S NESTS

Strongly made of wire, to hang on the wall. No place for mites to harbor. Weight 10 ounces. Price, each, 25c; doz., \$2.50.

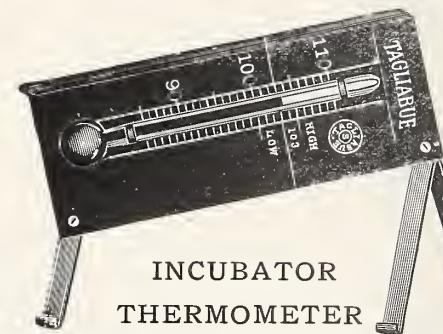
EGG TESTER

To use on a lamp. Fits a No. 2 burner. Made of metal. Price, postpaid, 40c.

EARTHENWARE RABBIT DISHES

Size 2 $\frac{1}{2}$ x 6 inches. Weight 2 $\frac{1}{2}$ lbs. each.....Each, 35c; Doz., \$3.50.

Size 3x8 inches. Weight 3 $\frac{1}{4}$ lbs. each.....Each, 50c; Doz., \$5.00.



INCUBATOR

THERMOMETER

One of the very best incubator thermometers made; thoroughly tested and seasoned. May be used with any standard make of incubator. May be either stood on the eggs or hung up. Price, postpaid, 85c.

BROODER THERMOMETER

Thoroughly tested, seasoned and perfectly reliable. May be used in any brooder, brooder house or hover.

Price, postpaid, 65c.



SOLVES THE ROOT MAGGOT PROBLEM
EASILY AND EFFECTUALLY

FRED HALL POULTRY FARM

R. F. D. No. 8, Box 290, Seattle, Wash.

Randall-McLoughlin,
Seattle.

Gentlemen:

I want to tell you of the results that I have had with the use of your Mag-o-tite.

There is no doubt that it is a sure remedy for the root maggot. I planted kale, radishes and cabbages year after year, but the maggots used to get them. This season, after using Mag-o-tite, I have raised three acres of the finest poultry kale that I have ever seen, and the radishes are looking fine.

I am more than pleased with Mag-o-tite, and shall be a booster for this excellent remedy whenever I get an opportunity.

Yours very truly,

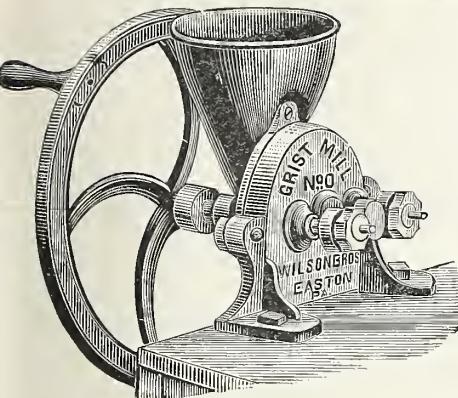
FRED C. HALL,

CAPONIZING SET

Caponizing is being more generally practiced each season, and is a simple and very profitable operation. We consider the George Beuoy Caponizing Set the best and most practical. It consists of Automatic Remover, Humane Spreader, Capon Bow, Knife, Hook, Probe, and a book of instructions.

Price, postpaid, \$5.50.

Prices shown in this catalog do not include postage, express, freight or delivery charges unless so specified.



No. 0 Grist Mill

be adjusted for cracking the grain if desired. It is not to be compared with those made on the old style coffee mill principle. The grinding surfaces are of very hard material, especially made for this purpose, and are ground off perfectly true and will last for years.

No. 0 Wilson's Family Grist Mill. Weight 30 lbs.....Price, F. O. B. Seattle, \$9.50

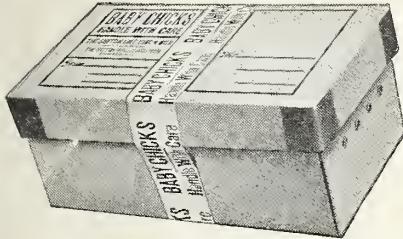
BANNER ROOT CUTTERS

No. 7 Banner Root Cutter. Furnishes green food for poultry during the winter. Will cut potatoes, turnips, beets, carrots, apples, etc., in long shaving-like strings, readily eaten by chickens. Weight 40 lbs.....Price, F. O. B. Seattle, \$8.75

CLOVER CUTTER

A strong, durable, well finished hand machine for cutting clover, hay, straw, corn fodder, etc., for poultry and stock. It has an eleven inch knife, and an automatic feed that can be changed in a moment to three different lengths of cut.

Kokosing Feed Cutter. Weight 190 lbs.....Price, F. O. B. Seattle, \$39.25



SEFTON LIVE CHICK BOXES

This box makes it possible to ship live chicks long distances by express with perfect safety. It is made from the best grade of corrugated paper, and is very strong. When not in use it is folded flat, and takes up very little room. Easily set up and made ready for use. Made in three sizes:

25 Chick size. Each, 30c; dozen, \$2.70

50 Chick Size. Each, 35c; dozen, 3.40

100 Chick Size. Each, 55c; dozen, 5.30

EYRIE SHIPPING COOPS

A strong, light coop for shipping fancy fowls by express. Made in three parts. The top and bottom are made of wood and the body of one piece of corrugated paper. This strong construction enables the coop to resist hard knocks, making it practical in every way.

No. A. 16x12x18 in. Weight, doz., 54 lbs.
PriceEach, 90c; dozen, \$8.75

No. E. 24x20x22 in. Weight, doz., 125 lbs.
PriceEach, \$1.75; dozen, \$16.75

ANDERSON EGG BOXES

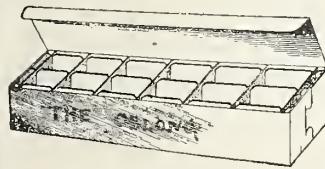
Made of corrugated paper and has double faced corrugated partitions to protect each individual egg. They fold flat and take up but little room when not in use. By sealing the box with gummed strips which we furnish, pilfering or substitution of common eggs for fancy eggs while in transit is eliminated. May be shipped by either parcel post or express.

1 Setting Size. Weight 10 lbs. per doz. Price, F. O. B. Seattle, each, 25c; doz., \$2.25

2 Setting Size. Weight 17 lbs. per doz. Price, F. O. B. Seattle, each, 35c; doz., 3.25

50 Egg Size. Weight 28 lbs. per dozen. Price, F. O. B. Seattle, each, 50c; doz., 4.65

100 Egg Size. Weight 48 lbs. per dozen. Price, F. O. B. Seattle, each, 80c; doz., 7.75



MARKET EGG CARTON

Saves handling and muss, and delivers eggs to market or customers in a neat, attractive manner. Packs in ordinary egg case, or may be handled individually. More convenient than the wide carton.

1 Dozen Size. Weight 3 lbs. per dozen.....Price, F. O. B. Seattle, doz., 25c; 100, \$1.55

PARCEL POST EGG BOXES

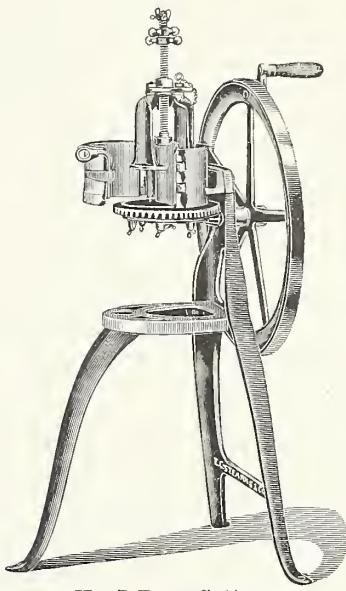
A strong box made of corrugated board, with corrugated board partitions, for shipping eggs by parcel post.

1 Dozen Size. Weight 5 lbs. per doz. Each, 15c; doz., \$1.20

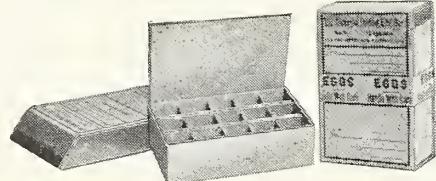
2 Dozen Size. Weight 9 1/2 lbs. per doz. Each, 20c; doz., 2.00

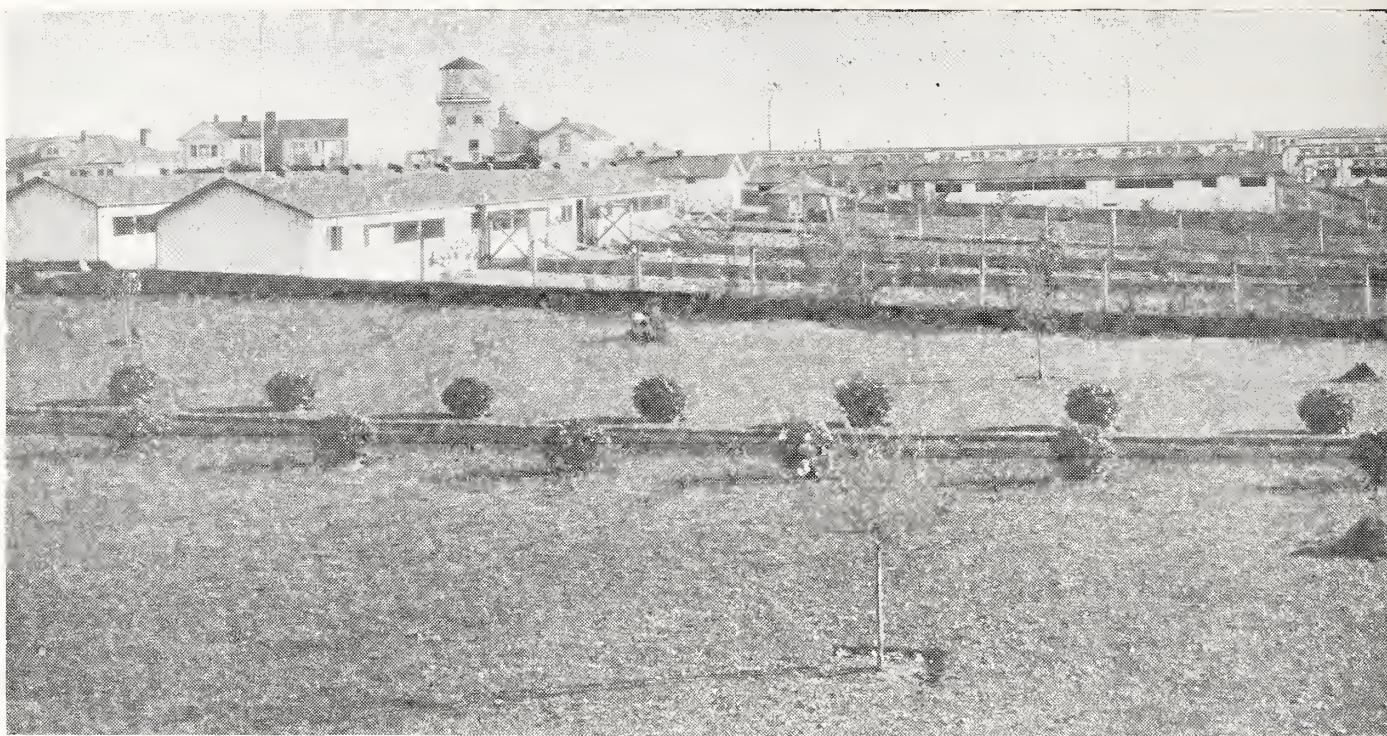
Prices shown in this catalog are subject to market changes. They do not include postage, freight, or express charges except when so specified.

When you need information or advice in regard to your poultry, stock, garden, etc., ask us. We are always glad to help you in every way possible. Mr. Randall is an expert poultryman, Mr. McLoughlin is an expert gardener, florist and nurseryman, and their advice may be depended upon.



No. 7 Bone Cutter





A section of Alderwood Manor Demonstration Poultry Farm



FOODS FOR POULTRY AND STOCK

The Best Are the Most Profitable



POULTRYMEN have, along with all other lines of business, had their trouble during the past few years. There have been times when the outlook has been most discouraging, and even some of the old reliables have had their misgivings.

But we have weathered the storm, and in our opinion there is in store for poultrymen who conduct their business along progressive lines the most profitable period that they have ever known. Any business with sufficient vitality to survive the vicissitudes of nineteen-eighteen, nineteen and early twenty can surely take and retain its place among the major industries.

Poultry and poultry matters of all kinds mean a great deal to us. The preparation of foods and furnishing of supplies constitute an important part of our business. It is not a mere circumstance or side-issue with us; it is our trade; and an apprenticeship of more than twenty-five years has given us an understanding of the needs of the industry that can only come from close association.

Our Poultry Department is able and ready to give you any advice that you may need to help you with your difficulties. We invite you to keep in close touch with us; we believe that we can help you.

INVICTA CHICK FOOD

A Scratch Food for Baby Chicks

A chick that is started right has a wonderful lead over one that gets a poor start. The chick should, of course, be bred and hatched right, after which proper brooding and feeding are necessary.

In preparing Invicta Chick Food only the best of everything in wheat, corn, rice, oat groats, soy bean, etc., are used. Nothing that could not be eaten by a human being goes to make Invicta Chick Food. It cannot be made any better. Its nutritive ratio, coming as it does from cereal sources alone, cannot be a complete food, but used in conjunction with Invicta Milk Mash for Chicks, makes a perfect ration. You can make no mistake in feeding Invicta Chick Food; it is good, and is always the same.

Price, subject to change: 4-lb. carton, 30c; 9-lb. carton, 60c; 25 lbs., \$1.25; 100 lbs., \$4.00

INVICTA GROWING FOOD

A Scratch Food for Growing Stock

A great many poultrymen fail to appreciate the enormous demands made upon the food of the growing bird. When we consider the rapidity with which they mature, a rate that probably transcends any other living organism compared with the amount of food consumed, it will readily be seen that muscle, bone and feather building materials must be available in large quantities. All food for growing chicks should have plenty of these elements, and in order to get the perfect growing ration a concentrated mash food must be fed in conjunction with the grain diet. This combination will produce wonders.

Price: 9-lb. carton, 50c; 25-lb. sack, \$1.15; 100 lbs., \$3.75



when more depends upon care and nourishment than during the growing period.

Invicta Growing Mash will help your young stock to feather out quickly and uniformly. It lays the foundation for a vigorous maturity. It will get the pullets into the laying stage without danger of forcing. You may use Invicta Growing Mash with confidence, knowing that it will produce results.

Price: 8-lb. carton, 50c; 25-lb. sack, \$1.15; 100 lbs., \$3.75

Prices are subject to market changes. Write for periodical price lists. Prices do not include delivery charges.



SCRATCH FOOD

When buying Scratch Food it is well to bear in mind the fact that the name often covers a multitude of sins. Mixing a few grains together does not by any means make a Scratch Food. See that the grain is all clean, sound and sweet. Musty or moldy grain is extremely injurious to poultry. See that it does not contain dust, chaff, light oats, barley, or other waste, cheap or useless materials that act as a filler, for which you pay good money.

Invicta Scratch Food contains only good, sound grains and seeds of varieties best suited to the purpose. It contains no dust, dirt, oats, grit, shell or other cheap ingredients.

Write for prices.



INVICTA CALF MEAL

The stomach of a baby calf is a delicate organism, and any food used as a substitute for its natural milk food must be properly prepared and of a high quality.

Invicta Calf Meal is made from the correct and choicest materials, thoroughly cooked and ground. It has a sweet, toasted flavor greatly relished by calves. We have a special cooker for its preparation, and take great pride in producing the best Calf Meal on the market. Price.....8-lb. carton, 75c; 25-lb. sack, \$1.65

INVICTA PIG MEAL

A pound of Invicta Pig Meal makes more than a gallon of rich slop equal to sow's milk for little pigs. When Invicta Pig Meal is fed before and during the weaning period, that trying period is passed unnoticed by the pigs.

Price: 8-lb. carton, 75c; 25-lb. sack, \$1.65

INVICTA LAMB MEAL

A splendid food for young lambs, particularly orphans. Lambs thrive upon it, and by feeding it many that would otherwise be lost can be raised profitably.

Price: 8-lb. carton, 75c; 25-lb. sack, \$1.65

INVICTA COW FEED

A high grade milk producing feed, made from the best materials.

Write for prices.

INVICTA HOG FEED

Specially prepared to produce a maximum of fat at small cost. Of high and uniform quality.

Write for prices.

POULTRY OATS

A special grade of short, plump, heavy oats without beards and of high germination; suitable for sprouting or feeding.

Write for prices.

GRANULATED BONE

Bone is high in nitrogen, and is a great aid to egg production and valuable as a muscle, tissue and bone builder, especially in young stock. Made in three sizes, hen size, chick size, and meal for mixing in mashes.

Prices: 5 lbs., 35c; 10 lbs., 65c; 25 lbs., \$1.40; 100 lbs., \$4.00

MEAT SCRAP

High grade meat scrap, high in protein, and of superior quality.

Write for prices.

FISH MEAT MEAL

Prepared from the highest grade of fish by-products. Practically free from oil, and in a very edible condition. High in protein, and a valuable egg producer.

Write for prices.

ALFALFA MEAL

A splendid food for both poultry and stock. It is best scalded with boiling water, and then to a certain extent takes the place of green food. May be fed alone or mixed with the mash.

Write for prices.

OIL CAKE MEAL

A highly concentrated food, valuable for feeding in small quantities to cattle horses and hogs.

Write for prices.

GROUND FLAX SEED

An excellent conditioner for horses and cattle; makes the coat sleek and glossy. Also good for poultry. Write for prices on large quantities. Price.....Per lb., 15c

DIGESTER TANKAGE

All hog men know the value of digester tankage, both for breeding sows and for finishing off market stock. It also helps the little pigs over the danger stage.

Write for prices.

SOY BEAN MEAL

One of the most valuable of the oil meals: easy of digestion; rich in protein. One of the few oil meals that can be used for any kind of stock.

Write for prices.

LESLIE'S SALT LICK

Specially prepared for cattle and hogs. In the form of bricks, compressed very hard. Does not disintegrate.

Per brick, about 5 lbs., 20c

INVICTA DOG MEAL

Especially prepared from a formula furnished by one of the leading dog men in this section. Contains an abundance of protein from animal food sources.

Price: 8-lb. carton, 60c; 25 lbs.. \$1.50

All prices are F. O. B. Seattle, unless otherwise specified, and are subject to market changes.



EGG MASH

This mash food is to be fed in conjunction with Scratch Food, and is of great importance, for in it is incorporated protein in the forms of animal matter and oil meals necessary to form a complete ration. This is the source of your egg supply. It is generally fed dry, in a hopper placed where the hens may have access to it at any time during the day. Some prefer to moisten it, but in that case it should be moistened only enough to make it crumbly; it must never be made sticky or sloppy.

Mash foods should be purchased from manufacturers in whom you have entire confidence, for they cannot be judged by their appearance.

Write for prices.

INVICTA FATTENING FOOD

A mash food composed of the correct materials to produce the greatest possible amount of flesh, at least expense, without impairing the health of the birds.

Write for prices.

INVICTA PIGEON FOOD

This food is carefully made from such good, sound seeds and grains as pigeons thrive upon, in correct proportions. It contains everything required by pigeons except grit, shell, charcoal, salt, green food and water, which should be provided separately.

Write for prices.

INVICTA RABBIT FOOD

It is difficult to prepare a rabbit food to fulfill all requirements. This is intended as a general purpose food, to be used in connection with roughage.

Prices: 8-lb. carton, 50c; 25 lbs., \$1.50; 100 lbs., \$5.00

INVICTA BIRD SEED

The highest grade mixed bird seed on the market. Contains Canary, Rape, Millet, Flax and Hemp in proper proportions.

BIRD GRAVEL 1-lb. package, 20c

Specially prepared for cage birds. All cage birds should be provided with good, sharp grit.....1-lb. package, 15c

GRANULATED CHARCOAL

A great aid to digestion. Absorbs the gases of the stomach. Valuable for poultry and hogs. Made in two sizes; hen size and chick size. Price.....4-lb. carton, 35c; 50 lbs., \$2.25

EASTERN OYSTER SHELL

Very high in carbonate of lime. A nice, white, clean shell; palatable and of high quality.

Prices: 8-lb. carton, 35c; 25 lbs., 65c; 100 lbs., \$2.00

WESTERN OYSTER SHELL

This is Toke Point oyster shell, thoroughly seasoned and well graded. Far superior to clam shell. Price.....100 lbs., \$1.75

POULTRY GRIT

Grit is essential for poultry, especially if they are confined where they cannot procure gravel. It takes the place of teeth for masticating. Price.....10 lbs., 20c; 100 lbs., \$1.50

ALFALFA LEAVES AND BLOSSOMS

An excellent food for poultry and stock when it can be procured, but the supply is uncertain.

Write for prices



Lactein is a condensed milk product, made from buttermilk, skim milk and whey, blended together, pasteurized, and the lactic acid bacteria bred or developed to their very highest degree before the product is condensed by special process which retains all the health-giving food and tonic values without the useless bulk of water.

It is a great egg producer, a splendid adjunct to the poultry ration, and is equally valuable for hogs, calves, dogs, rabbits, turkeys, ducks and geese. Write for descriptive circulars.

Prices: 5-gal keg., \$4.50; 10-gal. keg., \$8.00; 50-gal. keg., \$34.00

BLATCHFORD'S CALF MEAL

A "baby food" for calves. A substitute for the mother's milk for calves.

Prices: 25 lbs., \$2.25; 50 lbs., \$3.75; 100 lbs., \$7.35



"Good to the last drop"

SPRATT'S FOODS AND REMEDIES

Spratt's Dog Foods

DOG CAKES. A properly balanced meat, grain meal and vegetable compound that will not spoil with age. A complete and constant food for dogs. Prices: 2 lbs., 45c; 5 lbs., 90c; 10 lbs., \$1.70; 25 lbs., \$4.00; 50 lbs., \$7.50; 100 lbs., \$14.50.

KIBBLED DOG CAKES. Same as Dog Cakes, but in small pieces, nut size. 2½ lbs., \$45c; 5 lbs., 95c; 10 lbs., \$1.80; 25 lbs., \$4.25; 50 lbs., \$8.00; 100 lbs., \$15.00.

COD-LIVER OIL DOG BISCUITS. Valuable for old or delicate dogs or those recovering from sickness. 2 lbs., 45c; 5 lbs., \$1.00; 10 lbs., \$1.90; 25 lbs., \$4.50; 50 lbs., \$8.50; 100 lbs., \$16.00.

FIBO. For puppies or growing dogs; for shy feeders or those recovering from sickness, or as a change of food for all dogs. 2 lbs., 50c; 5 lbs., \$1.15; 10 lbs., \$2.05; 25 lbs., \$4.85; 50 lbs., \$9.25; 100 lbs., \$17.50.

MIDGET CHARCOAL BISCUIT. To correct all bowel troubles, weak digestion, etc. All dogs should have these at least once a week. 2-lb. carton, 45c

BULLDOG AND TERRIER MEAL. A conditioner. Makes bone and muscle. 2½-lb. carton, 50c



Spratt's Dog Remedies and Medicines

| | | |
|-------------------------------|---|--------|
| Alternative Cooling Tablets. | For heated blood, etc. | \$0.60 |
| Chronic Skin Disease Tablets. | For obstinate cases of mange and eczema | .60 |
| Digestive Tablets. | For severe cases of indigestion | .60 |
| Diarrhoea Tablets. | To relieve diarrhoea, which usually follows change of food, etc. | .60 |
| Distemper Tablets. | May be used as a preventive. For toy dogs and puppies | .85 |
| Dip. | Keeps away fleas, and may be used as an antiseptic dressing in minor surgical cases | .60 |
| Dog Soap (White). | Kills lice and fleas, prevents skin diseases and leaves the coat smooth and glossy | .25 |

| | | |
|------------------------------|---|-----|
| Ear Canker Ointment. | For both internal and external forms | .60 |
| Eczema Remedy. | Oily | .60 |
| Locurium Ointment. | For wounds, cuts, bruises, etc. Good for man as well as beast | .50 |
| Purgative Tablets. | Perfectly safe and effective | .60 |
| Tonic and Condition Tablets. | To build up after sickness and to put in bench show form | .50 |
| Vermifuge Capsules. | For toy dogs and puppies | .50 |
| Worm Capsules for Dogs. | For Round, Maw and Tape Worms | .60 |
| Worm Capsules for Puppies. | A safe and efficient remedy | .60 |
| Mange Remedy | | .50 |

Spratt's Foods and Remedies for Cats, Birds, Etc.

| | | |
|---|--|--------|
| Spratt's Cat Food. | A complete food for cats | \$0.45 |
| Spratt's Cat Food with Pasteurized Milk | | .45 |
| Spratt's Cat Food with Fish | | .45 |
| Vermifuge Capsules for Cats | | .50 |
| Distemper Tablets for Cats | | .75 |
| Tonic and Condition Tablets for Cats | | .50 |
| Bird Tonic. | For prevention and cure of all diseases which cage birds are subject to. | |
| Bird Lice Destroyer. | For dusting the feathers | .35 |
| Song Restorer. | A treat and tonic for Canaries, Linnets, and all seed-eating birds | .30 |
| Bird Manna. | A combination of seeds, herbs, and roots that nature intended birds should have. Food and medicine combined. A tonic and conditioner. Comes in half-round cakes, fastens on the cage wires | .15 |

SPRATT'S PHEASANT MEAL NO. 12

This food is used and highly recommended by all large breeders, including practically every state game farm in the country. Write for prices.

SPRATT'S CHICK MEAL NO. 5

A baked biscuit meal. Reduces mortality to a minimum. Starts to digest within an hour, and baby chicks derive quick nourishment and growing elements. Alternate with a good grain mix. Write for prices.

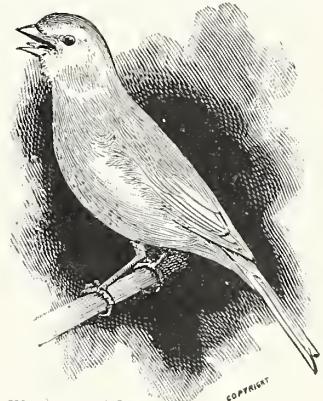
SPRATT'S MAXCO

A meat food specially prepared to take the place of grubs and insects for pheasants and game birds of all kinds. Write for prices.

SPRATT'S CRISSEL

Far superior to ordinary commercial beef scraps. Takes the place of insect life, and is the purest form of meat obtainable. Write for prices.

If you wish any of Spratt's Foods or Remedies not listed on this page, we will get them for you.



CALDWELL'S RABBIT REMEDIES

These are the standard rabbit remedies, and have all proved their worth and efficiency.

| | |
|------------------------------------|--------|
| Caldwell's Ear Remedy | \$.75 |
| Caldwell's Slobber Remedy | .75 |
| Caldwell's Eye Remedy | .75 |
| Caldwell's Hock Remedy | .75 |
| Caldwell's Vent Remedy | .75 |
| Caldwell's Diarrhoea Remedy | .75 |
| Caldwell's Breeding Tonic | 1.00 |
| Caldwell's Tonic and Regulator | 1.00 |
| Caldwell's Cold and Snuffle Remedy | 1.00 |

Now is the time to prepare for the

DAHLIA, SWEET PEA AND ROSE SHOWS

These will be held at times and places to be announced later. It is our intention that they shall be the best ever held in the Northwest.

See the Special Dahlia, Sweet Pea and Rose Collection on following pages.



SEE OUR SPLENDID NURSERY STOCK AT GREENWOOD AND 85TH



SPECIAL OFFER

VEGETABLE SEED ASSORTMENTS

AT REDUCED PRICES



For the convenience of our customers and in order to facilitate filling of orders during the spring rush, we have made some very careful selections of vegetable seeds, based upon our experience of many years' actual garden work in this locality. These assortments are packed, ready for shipment, during the slack season, enabling us to offer them at greatly reduced prices.

In many cases, where our customers are not quite certain of their requirements, these assortments are more suitable than the selections that they would make.

These seeds are of our regular choice stocks, the same as are listed elsewhere in this catalog, and measure up to our regular high standards.

You will note that the collections are made in varying quantities suitable for gardens of various sizes. Please order by assortment number only. Other seeds may, of course, be ordered in addition to these in the regular manner, but these assortments, being ready packed, cannot be changed in any way.

Vegetable Assortment

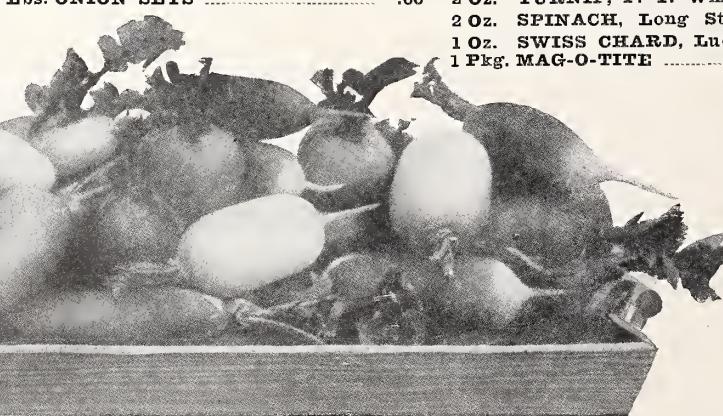
No. 1

| | |
|--|---------------|
| 1 Pkt. BEET, Early Egyptian | \$.10 |
| 1 Pkt. BEANS, Burpee's Stringless | .10 |
| 1 Pkt. CABBAGE, E. J. Wakefield | .10 |
| 1 Pkt. CARROT, Chantenay | .10 |
| 1 Pkt. CORN, Golden Bantam | .10 |
| 1 Pkt. LETTUCE, New York | .10 |
| 1 Pkt. ONION, Yellow Danvers | .10 |
| 1 Lb. ONION SETS | .25 |
| 1 Pkt. PEAS, Lincoln, Dwarf | .10 |
| 1 Pkt. PARSNIP, Hollow Crown | .10 |
| 1 Pkt. RADISH, Scarlet Turnip | .10 |
| 1 Pkt. Turnip, P. T. White Globe | .10 |
| 1 Pkg. MAG-O-TITE | .35 |
| Total value | \$1.70 |
| SPECIAL PRICE, \$1.00, POSTPAID | |



Vegetable Assortment No. 3

| | | | | | |
|------------------------------------|---------------|-----------------------------------|--------|---------------------------------|--------|
| 2 Oz. BEET, Crosby's Egyptian | \$.30 | 1 Lb. CORN, Golden Bantam | \$.30 | 2 Lbs. PEAS, Lincoln Dwarf | \$.50 |
| 2 Oz. BEET, Half-Long Blood | .30 | 1 Lb. CORN, Stolwell's Evergreen | .30 | 2 Lbs. PEAS, Alderman, Tall | .50 |
| 1 Lb. BEANS, Dwarf Horticultural | .30 | 1 Oz. LETTUCE, Grand Rapids | .20 | 1 Oz. PARSNIP, Hollow Crown | .20 |
| 1 Lb. BEANS, Golden Wax | .30 | 1 Oz. LETTUCE, New York | .25 | 2 Oz. RADISH, Scarlet Turnip | .25 |
| 1 Lb. BEANS, Kentucky Wonder, pole | .30 | 1 Oz. ONION, Yellow Globe Danvers | .20 | 2 Oz. RADISH, French Breakfast | .25 |
| 1 Oz. CABBAGE, E. J. Wakefield | .40 | 1 Oz. ONION, White Portugal | .25 | 1 Pkt. TOMATO, Earliana | .10 |
| 1 Oz. CABBAGE, Late Flat Dutch | .40 | 3 Lbs. ONION SETS | .60 | 2 Oz. TURNIP, P. T. White Globe | .30 |
| 2 Oz. CARROT, Chantenay | .25 | | | 2 Oz. SPINACH, Long Standing | .25 |
| 2 Oz. CARROT, Imp. Long Orange | .25 | | | 1 Oz. SWISS CHARD, Lucullus | .20 |
| Total value | \$7.80 | | | 1 Pkg. MAG-O-TITE | .35 |
| Total Value | | | | | |
| \$7.80 | | | | | |
| SPECIAL PRICE | | | | | |
| \$5.50 | | | | | |
| POSTPAID | | | | | |



Vegetable Assortment

No. 2

| | |
|------------------------------------|---------------|
| 1 Oz. BEETS, Crosby's Egyptian | \$.20 |
| 1 Lb. BEANS, Burpee's Stringless | .30 |
| ½ Lb. BEANS, Davis White Wax | .15 |
| ½ Lb. BEANS, Kentucky W'der, Pole | .15 |
| 1 Pkt. CABBAGE, E. J. Wakefield | .10 |
| 1 Pkt. CABBAGE, Danish Ballhead | .10 |
| 2 Oz. CARROT, Danvers Half-Long | .25 |
| 1 Lb. CORN, Golden Bantam | .30 |
| 1 Pkt. LETTUCE, Big Boston, Head | .10 |
| 1 Pkt. LETTUCE, Grand Rapids, leaf | .10 |
| 1 Pkt. ONION, White Portugal | .10 |
| 1 Oz. ONION, Yellow Globe Danvers | .20 |
| 2 Lb. ONION SETS | .40 |
| 1 Lb. PEAS, Lincoln, Dwarf | .25 |
| 1 Lb. PEAS, Tall Telephone | .25 |
| 1 Oz. PARSNIP, Hollow Crown | .20 |
| 1 Oz. RADISH, Scarlet Turnip | .15 |
| 1 Oz. RADISH, French Breakfast | .15 |
| 1 Oz. SPINACH, Long Standing | .15 |
| 1 Pkt. TOMATO, Earliana | .10 |
| 1 Oz. TURNIP, Snowball | .20 |
| 1 Pkg. MAG-O-TITE | .35 |
| Total value | \$4.25 |

SPECIAL PRICE, \$3.00, POSTPAID

Randall-McLaughlin,
Seattle.

Dear Sirs:

Please send me another 100-lb. sack of Mag-o-tite. I figure I am about \$500.00 ahead by buying the last sack, because I raised all of my truck crop instead of about half of it as usual. You sure have got the right dope this time.

Yours truly,
Monterey, Cal. JEAN DULOUT.

| | | | | | |
|------------------------------------|---------------|-----------------------------------|--------|---------------------------------|--------|
| 2 Oz. BEET, Crosby's Egyptian | \$.30 | 1 Lb. CORN, Golden Bantam | \$.30 | 2 Lbs. PEAS, Lincoln Dwarf | \$.50 |
| 2 Oz. BEET, Half-Long Blood | .30 | 1 Lb. CORN, Stolwell's Evergreen | .30 | 2 Lbs. PEAS, Alderman, Tall | .50 |
| 1 Lb. BEANS, Dwarf Horticultural | .30 | 1 Oz. LETTUCE, Grand Rapids | .20 | 1 Oz. PARSNIP, Hollow Crown | .20 |
| 1 Lb. BEANS, Golden Wax | .30 | 1 Oz. LETTUCE, New York | .25 | 2 Oz. RADISH, Scarlet Turnip | .25 |
| 1 Lb. BEANS, Kentucky Wonder, pole | .30 | 1 Oz. ONION, Yellow Globe Danvers | .20 | 2 Oz. RADISH, French Breakfast | .25 |
| 1 Oz. CABBAGE, E. J. Wakefield | .40 | 1 Oz. ONION, White Portugal | .25 | 1 Pkt. TOMATO, Earliana | .10 |
| 1 Oz. CABBAGE, Late Flat Dutch | .40 | 3 Lbs. ONION SETS | .60 | 2 Oz. TURNIP, P. T. White Globe | .30 |
| 2 Oz. CARROT, Chantenay | .25 | | | 2 Oz. SPINACH, Long Standing | .25 |
| 2 Oz. CARROT, Imp. Long Orange | .25 | | | 1 Oz. SWISS CHARD, Lucullus | .20 |
| Total value | \$7.80 | | | 1 Pkg. MAG-O-TITE | .35 |
| Total Value | | | | | |
| \$7.80 | | | | | |
| SPECIAL PRICE | | | | | |
| \$5.50 | | | | | |
| POSTPAID | | | | | |

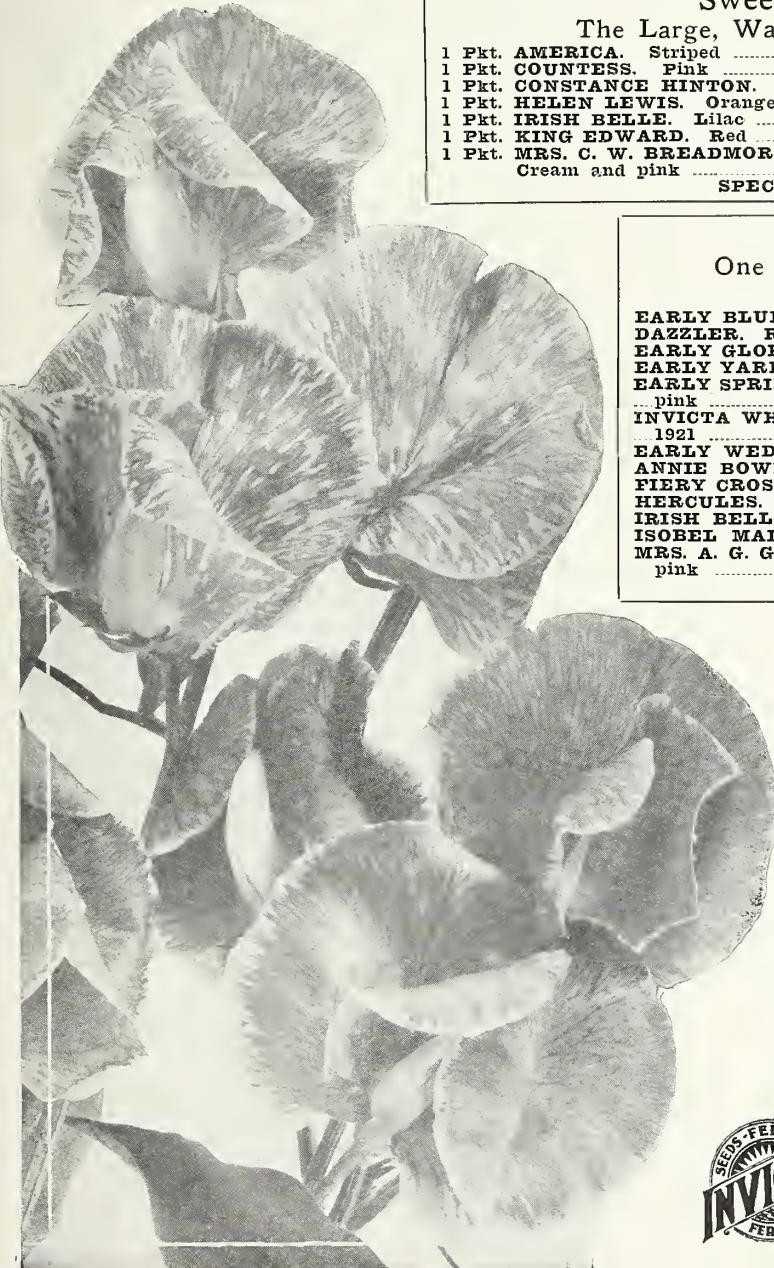


SPECIAL OFFERS

SPENCER SWEET PEA ASSORTMENTS

AT REDUCED PRICES

Sweet Peas are among the most beautiful of flowers, and are especially satisfactory in this locality, where on account of our favorable climate, they grow larger, wavier, brighter, and bloom for a longer period than in any other part of the world. These assortments have been chosen with regard to colors and shades, and include several of the new and rare varieties. They are all of the Giant, Waved, Orchid-flowered, Spencer Type, the same as are listed in the Flower Seeds section of this catalog. They are packed, ready for shipment, during the dull season, and for that reason we are able to offer them at greatly reduced prices.



Sweet Pea Assortment No. 4

The Large, Wavy, Orchid-flowered, Spencer Type

| | | | |
|---|--------|----------------------------------|--------|
| 1 Pkt. AMERICA. Striped | \$.10 | 1 Pkt. MARGARET ATLEE. Apricot | \$.10 |
| 1 Pkt. COUNTESS. Pink | .10 | 1 Pkt. NUBIAN. Chocolate | .10 |
| 1 Pkt. CONSTANCE HINTON. White | .10 | 1 Pkt. OTHELLO. Maroon | .10 |
| 1 Pkt. HELEN LEWIS. Orange | .10 | 1 Pkt. ROYAL PURPLE. Deep Purple | .15 |
| 1 Pkt. IRISH BELLE. Lilac | .15 | 1 Pkt. VERMILLION BRILLIANT. | |
| 1 Pkt. KING EDWARD. Red | .10 | Scarlet | .10 |
| 1 Pkt. MRS. C. W. BREADMORE. Cream and pink | .10 | Total value | \$1.30 |

SPECIAL PRICE, \$1.00, POSTPAID

Sweet Pea Assortment No. 5

One Packet Each. All of the Spencer Type

Many Recent Introductions

| | | | |
|-----------------------------|--------|---------------------------------|--------|
| EARLY BLUE JACKET. Blue | \$.25 | ORCHID. Rich purple | \$.15 |
| DAZZLER. Rich orange | .25 | THE PRESIDENT. Orange | |
| EARLY GLORIOUS. Purple | .25 | scarlet | .15 |
| EARLY YARAWA. Rose pink | .25 | ASTA OHN. Lavender | .10 |
| EARLY SPRING MAID. Cream | | COUNTESS. Pink | .10 |
| pink | | ILLUMINATOR. Orange | |
| INVICTA WHITE. Pure white | | scarlet | .10 |
| 1921 | | MARGARET ATLEE. Apricot | |
| EARLY WEDGEWOOD. Blue | .25 | pink | .10 |
| ANNIE BOWNASS. Rich pink | .15 | NUBIAN. Chocolate | .10 |
| FIERY CROSS. Orange scarlet | .15 | SENATOR. Striped heliotrope | .10 |
| HERCULES. Rose pink | .15 | STERLING STENT. Salmon | .15 |
| IRISH BELLE. Rich lilac | .15 | THOS. STEVENSON. Orange | .10 |
| ISOBEL MALCOLM. Cream | .15 | WEDGEWOOD. Azure blue | .10 |
| MRS. A. G. GENTLE. Scarlet | | Total value | \$3.90 |
| pink | | SPECIAL PRICE, \$2.50, POSTPAID | |

Sweet Pea Assortment No. 6

Spencer Type. Many Newer Varieties

| | |
|---|--------|
| 1/2 oz. EARLY CANARY BIRD. Primrose | \$.50 |
| 1/2 oz. EARLY DAINTINESS. White with pink | |
| picotee | |
| 1/2 oz. EARLY GLORIOUS. Rosy purple | .50 |
| 1/2 oz. EARLY YARAWA. Rose pink | .50 |
| 1/2 oz. EARLY WEDGEWOOD. Azure blue | .50 |
| 1/2 oz. EARLY ORANGE BEAUTY. Orange | .70 |
| 1/2 oz. EDWARD COWDY. Scarlet | .50 |
| 1/2 oz. HERCULES. Rose pink | .50 |
| 1/2 oz. IRISH BELLE. Rich lilac | .50 |
| 1/2 oz. FLORADEALE FAIRY. Deep cream | .50 |
| 1/2 oz. ORCHID. Rich purple | .50 |
| 1 oz. ASTA OHN. Lavender | .35 |
| 1 oz. COUNTESS. Pink | .35 |
| 1 oz. ETHEL ROOSEVELT. Primrose | .50 |
| 1 oz. MARGARET ATLEE. Apricot | .50 |
| 1 oz. KING WHITE. White | .50 |

Total value \$7.90

SPECIAL PRICE, \$5.00, POSTPAID

SPECIAL OFFER

FLOWER SEED ASSORTMENTS
AT REDUCED PRICES



Flower Seed Assortment

No. 7

| | |
|-----------------------------------|--------|
| 1 Pkt. ALYSSUM. Little Gem | \$.10 |
| 1 Pkt. ASTER, Crego Giant, Mixed | .10 |
| 1 Pkt. CANDYTUFT, Mixed colors | .10 |
| 1 Pkt. COREOPSIS, Lanceolata | .10 |
| 1 Pkt. COIX LACHRYMAE | .10 |
| 1 Pkt. COSMOS, Mixed colors | .10 |
| 1 Pkt. KUDZU VINE, Hardy climber | .10 |
| 1 Pkt. MARIGOLD, Tall African | .10 |
| 1 Pkt. MIGNONETTE, Odorata | .10 |
| 1 Pkt. NASTURTIUMS, Tall, mixed | .10 |
| 1 Pkt. NASTURTIUMS, Dwarf, mixed | .10 |
| 1 Pkt. CONVOLVULUS, Morning Glory | .10 |
| 1 Pkt. NIGELLA. Love-in-a-mist | .10 |
| 1 Pkt. POPPY. Choice mixed | .10 |
| 1 Pkt. WILD FLOWER GARDEN MIXTURE | .10 |

Total value \$1.50

SPECIAL PRICE, \$1.00, POSTPAID

Special Assortment No. 8

| | | |
|----------------------------------|-----------------------------------|--------|
| 1 Pkt. ASTERS, American Beauty | 1 Pkt. GERANIUM, Zonale, mixed | \$.25 |
| mixed | | |
| 1 Pkt. AGERATUM, Blue Perfection | 1 Pkt. IPOMOEA. Cardinal Climber | .10 |
| .10 | 1 Pkt. MARIGOLD, Dwf. French, dbl | .10 |
| 1 Pkt. ALYSSUM, Lilac Queen | 1 Pkt. MYOSOTIS. Forget-me-not | .10 |
| .10 | 1 Oz. NASTURTIUMS, Tall, mixed | .30 |
| 1 Pkt. AMPELOPSIS, Boston Ivy | 1 Oz. NASTURTIUMS, Dwf. mixed | .30 |
| .10 | 1 Pkt. PANSEY, Steele's Mastodon | .25 |
| 1 Pkt. AQUILEGIA, Columbine | 1 Pkt. PHLOX, Drummondii | .10 |
| .10 | 1 Pkt. STOCKS, Giant Perfection | .10 |
| 1 Pkt. ASTER, Perennial | 1 Pkt. VERBENA, Mammoth, mixed | .10 |
| .10 | | |
| 1 Pkt. BELLIS PERENNIS, Double | | |
| Daisy | | |
| .10 | | |
| 1 Pkt. CALENDULA. Pot Marigold | | |
| .10 | | |
| 1 Oz. CANDYTUFT, Giant H. F. | | |
| .25 | | |
| 1 Pkt. CARNATION, Choice mixture | | |
| .25 | | |

SPECIAL PRICE, \$2.00, POSTPAID

SPECIAL OFFERS

GLADIOLI ASSORTMENTS

AT REDUCED PRICES

Fine bulbs of these splendid plants, the same quality and varieties as are listed on page 30. Gladiolus are among our most beautiful and effective garden plants, and do especially well in this locality. Here is an opportunity to form a bed of the choicest varieties at small cost.

Gladioli Assortment No. 9

| | | |
|---------------------------|---|-------|
| 2 Bulbs, ALICE CAREY. | White with red splashes in throat..... | \$.30 |
| 2 " " AMERICA. | Light pink tinted with lavender..... | .20 |
| 2 " " BARON JOSEPH HULOT. | Rich, velvety, purple-violet..... | .30 |
| 2 " " CHICAGO WHITE. | White with pencil mark of violet..... | .30 |
| 2 " " HALLEY. | Bright orange-rose with yellowish tint..... | .20 |
| 2 " " IDA VAN. | Cardinal-red with deeper red markings..... | .30 |
| 2 " " MRS. FRANCIS KING. | Brilliant pink. Long spikes..... | .20 |
| 2 " " MRS. WATT (New). | Deep red. Finest of the color..... | .30 |
| 2 " " PANAMA. | Beautiful deep pink. Tall spike..... | .20 |
| 2 " " PRINCEPINE. | Vermilion red, throat cream-yellow..... | .20 |
| 2 " " SULPHUR QUEEN. | Clear sulphur-yellow..... | .20 |
| 2 " " WILLY WIGMAN. | Cream with red throat..... | .20 |

Total value \$2.90

SPECIAL PRICE, \$2.00, POSTPAID

Gladioli Assortment No. 10

| | | |
|----------------------------|--|-------|
| 6 Bulbs, ALICE CAREY. | White with red in throat..... | \$.65 |
| 6 " " BARON JOSEPH HULOT. | Rich purple-violet..... | .65 |
| 6 " " CHICAGO WHITE. | White and violet..... | .65 |
| 6 " " GLORY OF HOLLAND | White, tinted rose..... | .65 |
| 6 " " KUNDERDI GLORY. | Cream pink, crimson stripe..... | .75 |
| 6 " " MRS. WATT (New). | Deep red. Large..... | .65 |
| 6 " " NIAGARA. | Creamy yellow shaded rosy carmine..... | .75 |
| 6 " " ROUGE TORCH. | Amber-white suffused carmine..... | .75 |
| 6 " " MRS. FRANK PENDLETON | Rose-pink shaded deeper..... | .75 |
| 6 " " PEACE. | White with violet feathering..... | .65 |

Total value \$6.90

SPECIAL PRICE, \$5.00, POSTPAID

SPECIAL OFFERS

DAHLIA ASSORTMENTS

AT REDUCED PRICES

Carefully selected varieties from our choice stock as listed on page 31. These will produce flowers that you may be proud of, and may get you a trophy at our Dahlia Show.

Dahlia Assortment No. 11

| | | |
|-------------------------|------------------|--------|
| 1 COUNTRY GIRL. | Cactus. Yellow | \$.35 |
| 1 GWENDOLIN TUCKER. | Cactus. Pink | .50 |
| 1 J. H. JACKSON. | Cactus. Maroon | .25 |
| 1 MRS. DOUGLAS FLEMING. | White | .50 |
| 1 RICHARD BOX. | Cactus. Yellow | .50 |
| 1 CREAM WODAN. | Peony. White | .50 |
| 1 W. T. RAWLINGS. | Show. Yellow | .35 |
| 1 W. W. RAWSON. | Show. Lavender | .35 |
| 1 DARKEST OF ALL. | Pompon. Maroon | .35 |
| 1 ADMIRAL DEWEY. | Dec. Purple | .25 |
| 1 DELICE. | Decorative. Pink | .35 |
| 1 MINA BURGLE. | Dec. Scarlet | .35 |

Total value \$4.60

SPECIAL PRICE, \$3.00, POSTPAID

Dahlia Assortment No. 12

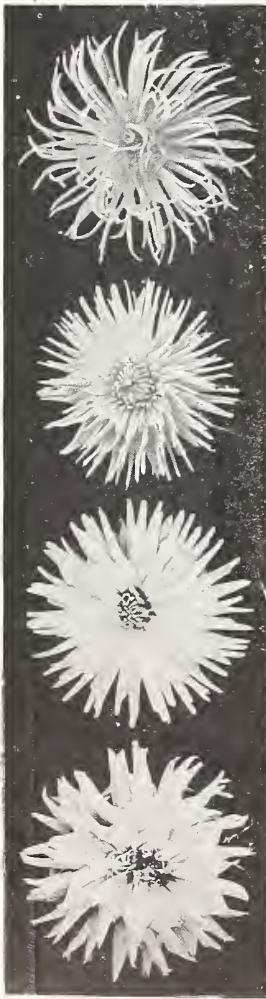
| | | | | | |
|--------------------------------|------------------------|---------|--------------------|----------------------|--------|
| 1 ALABASTER. | Cactus. Pure white | \$ 1.00 | 1 MEYERBEER. | Peony. Crimson | \$.75 |
| 1 ATTRACTION. | Cactus. Rosy-lilac | 1.00 | 1 VAN DYCK. | Peony. Salmon-rose | .50 |
| 1 CHRYSANTHEMITE ALBERT DELAUX | | .35 | 1 MAUD ADAMS. | Show. White and pink | .50 |
| 1 GEO. L. STILLMAN. | Cactus. Salmon | 1.00 | 1 W. T. RAWLINGS. | Show. Lemon-yellow | .35 |
| 1 GOLDEN GATE. | Cactus. Yellow | .75 | 1 FASCINATION. | Pompon. Pink | .50 |
| 1 MRS. WARNAAR. | Cactus. White and pink | .75 | 1 J. M. GOODRICH. | Dec. Salmon-pink | .50 |
| 1 REINISCHER FROSCHHEIM. | Cac. Rose | .50 | 1 R. H. MAHANEY. | Dec. Lavender | .35 |
| 1 TOM LUNDY. | Cactus. Velvety red | .50 | 1 MAURICE RIVOIRE. | Col. Maroon | .35 |
| 1 GOLDEN POTLATCH. | Peony. Lemon | .75 | 1 SWALLOW. | Collarette. White | .50 |

Total value \$10.90

SPECIAL PRICE, \$8.50, POSTPAID



Don't forget our Dahlia and Sweet Pea Show. Dates will be announced later.





SPECIAL OFFERS

ROSE BUSH ASSORTMENTS

AT REDUCED PRICES



Splendid two year old, field grown, budded rose bushes from our specially fine stock as listed on pages 32 and 33. They are all choice varieties, many of them new and high priced.

Rose Assortment No. 13

Twelve varieties of rose bushes, our selection, including several of the recent introductions; all choice and popular sorts.

Regular price, about \$11.00.

SPECIAL PRICE, \$6.50, EXPRESS PAID.

Rose Assortment No. 14

| | |
|---|--------|
| 1 COLUMBIA (New). Bright rose-pink. Large | \$2.00 |
| 1 GORGEOUS (New). Deep orange and copper | 1.25 |
| 1 KILLARNEY BRILLIANT. Deep rose-pink | 1.00 |
| 1 LADY HILLINGDON. The ideal yellow rose | 1.00 |
| 1 LOS ANGELES (New). Pink, coral and yellow | 1.75 |
| 1 MADAME EDOUARD HERRIOT. (Daily Mail), Scarlet and apricot | 1.00 |
| 1 OPHELIA. Salmon and orange | 1.00 |
| 1 HUGH DICKSON. Crimson shaded scarlet | .75 |
| 1 JULIET. Old gold and red | 1.00 |
| 1 KAISERIN AUGUSTA VICTORIA. White | .75 |
| 1 MARECHAL NEIL. Climber. Yellow | 1.25 |
| 1 LA PAULI. Moss rose. Climber. Pink | .75 |

Total value.....\$13.50

SPECIAL PRICE, \$10.00, EXPRESS PAID

SPECIAL OFFERS

FRUIT TREE AND SMALL FRUIT ASSORTMENTS

AT REDUCED PRICES

The following fruit trees and bushes are from our exceptionally fine stock as listed on pages 35, 36 and 37. They are healthy, sturdy, well-grown plants, unsurpassed in quality. We have made these assortments to conform to the needs of home gardens of various sizes, and believe that it would be difficult to choose more suitable collections for home use.

Fruit Assortment No. 15

| | |
|---|--------|
| 25 STRAWBERRY, Progressive Ever-bearing | \$.75 |
| 3 RHUBARB, Mammoth Victoria | .75 |
| 1 BLACKBERRY, The new Cory Thornless | .50 |
| 6 LOGANBERRY, Strong tips | 1.20 |
| 6 Currant, Perfection, Red | 1.25 |
| 3 GOOSEBERRY, Oregon Champion | .75 |
| 6 RASPBERRY, Cuthbert, Red | .80 |
| 24 ASPARAGUS, Palmetto | 1.00 |
| Total value | \$7.00 |

SPECIAL PRICE, \$5.00, EXPRESS PAID

Fruit Assortment No. 16

| | |
|--------------------------------------|---------|
| 1 APPLE, Red Astrachan, Early | \$ 1.00 |
| 1 APPLE, Delicious, Late | 1.00 |
| 1 PEAR, Bartlett, Early | 1.25 |
| 1 PLUM, Gaviota, New Japanese hybrid | 2.00 |
| 1 BLACKBERRY, Cory Thornless, New | .50 |
| 6 LOGANBERRY | 1.20 |
| 6 RASPBERRY, Cuthbert | .80 |
| 3 PHENOMENAL BERRY | .75 |
| 3 Currant, Cherry, Red | .75 |
| 3 GOOSEBERRY, Oregon Champion | .75 |
| 50 STRAWBERRY, Marshall | .75 |
| 3 RHUBARB, Banwine, New | .75 |
| Total value | \$11.50 |

SPECIAL PRICE, \$8.50, EXPRESS PAID

Fruit Assortment No. 17

| | |
|-----------------------------------|---------|
| 50 STRAWBERRY, Etterburg, New | \$ 1.50 |
| 50 STRAWBERRY, Clark's Seedling | .90 |
| 6 RHUBARB, Riverside Giant | .75 |
| 1 BLACKBERRY, Cory Thornless, New | .50 |
| 12 LOGANBERRY, Strong tips | 2.00 |
| 6 Currant, Perfection, Red | 1.25 |
| 3 GOOSEBERRY, Josselyn | .75 |
| 6 RASPBERRY, St. Regis, Red | 1.15 |
| 6 BLACKBERRY, Himalaya | 1.25 |
| 2 GRAPES, Concord | 1.00 |
| 50 ASPARAGUS, Palmetto | 1.25 |
| 6 Currant, Lee's Prolific, Black | 1.25 |

Total value.....\$13.55

SPECIAL PRICE, \$10.00, EXPRESS PAID

Fruit Assortment No. 18

| | |
|--------------------------------------|---------|
| 1 APPLE, Red Astrachan, Early | \$ 1.00 |
| 1 APPLE, Delicious, Fall | 1.00 |
| 1 APPLE, Winter Banana, Fall | 1.00 |
| 1 APPLE, Yellow Belleflower, Winter | 1.50 |
| 1 CRAB APPLE, Hyslop, Winter | 1.25 |
| 1 CHERRY, Royal Ann, Sweet | 1.50 |
| 1 CHERRY, Bing, Sweet, Black | 1.00 |
| 1 PEAR, Bartlett, Summer | 1.25 |
| 1 PEAR, Winter Nellis, Winter | 1.25 |
| 1 PLUM, Formosa, New Japanese hybrid | 2.00 |
| 1 PRUNE, Italian (Fellemburg) | 1.50 |
| 1 APRICOT, Moorepark | 1.50 |

Total value.....\$15.75

SPECIAL PRICE, \$12.50, EXPRESS PAID

Invicta Sprays and Fertilizers are essential for the production of perfect fruit.



VEGETABLE PLANTING TABLE



| Kind of Vegetable | Seed Required | When to Plant | Depth | Distance | | Ready for Use |
|--------------------------|--------------------------|-----------------------|---------------|----------------|---------------|-----------------|
| | | | | Between Plants | Between Rows | |
| ARTICHOKE, Globe. Seed | 1 oz. for 500 plants | In seed bed in spring | 1 inch | 4 to 6 ins. | 12 ins. | second summer |
| ARTICHOKE, Globe. Plants | Transplant in garden | Spring or summer | 3 to 4 ft. | 2 to 3 ft. | second summer | |
| ASPARAGUS. Seed | 1 oz. for 500 plants | In seed bed in spring | 1 inch | 4 to 6 ins. | 12 ins. | 3 to 4 years |
| ASPARAGUS. Plants | Transplant in garden | Spring or fall | 6 inches | 1 ft. | 4 ft. | 2 to 3 years |
| BEANS, Bush | 1 lb. for 50 ft. row | Late spring | 2 inches | 2 inches | 2 ft. | 45 to 75 days |
| BEANS, Pole | 1 lb. for 50 hills | Late spring | 2 inches | 3 to 4 ft. | 3 to 4 ft. | 50 to 80 days |
| BEETS | 1 oz. for 50 ft. | April to July | 1 inch | 4 ins. | 12 to 16 ins. | 60 to 75 days |
| BROCCOLI. Seed | 1 oz. for 2,000 plants | In seed bed in spring | ½ inch | 3 to 4 ins. | 12 ins. | 100 to 130 days |
| BROCCOLI. Plants | Transplant in garden | Summer | 18 to 24 ins. | 30 to 36 ins. | 12 ins. | 90 to 120 days |
| BRUSSELS SPROUTS. Seed | 1 oz. for 2,000 plants | In seed bed in spring | ½ inch | 3 to 4 ins. | 12 ins. | 90 to 130 days |
| BRUSSELS SPROUTS. Plants | Transplant in garden | Spring and summer | 18 to 24 ins. | 30 to 36 ins. | 12 ins. | 120 to 180 days |
| CABBAGE, Early. Seed | 1 oz. for 2,000 plants | Seed bed, Mar.-Apr. | ½ inch | 3 to 4 ins. | 12 ins. | 120 to 180 days |
| CABBAGE, Early. Plants | Transplant in garden | Early spring | ½ inch | 24 to 30 ins. | 30 to 36 ins. | 16 to 24 ins. |
| CABBAGE, Late. Seed | 1 oz. for 2,000 plants | Seed bed, May-June | ½ inch | 3 to 4 ins. | 12 ins. | 65 to 120 days |
| CABBAGE, Late. Plants | Transplant in garden | Summer | ½ inch | 24 to 30 ins. | 30 to 36 ins. | 100 to 140 days |
| CARROT | 1 oz. for 100 ft. | April to June | ½ inch | 3 to 4 ins. | 12 ins. | 125 to 150 days |
| CAULIFLOWER. Seed | 1 oz. for 2,000 plants | Seed bed, Apr.-June | ½ inch | 2 to 3 ins. | 12 ins. | 6 ins. |
| CAULIFLOWER. Plants | Transplant in garden | May to July | ¼ inch | 3 to 4 ft. | 3 to 4 ft. | 60 to 100 days |
| CELERY. Seed | 1 oz. for 4,000 plants | Transplant in garden | April to July | 12 to 18 ins. | 3 ft. | 60 to 85 days |
| CELERY. Plants | Transplant in garden | April and May | 2 inches | 4 to 6 ft. | 4 to 6 ft. | 80 to 120 days |
| CORN, Sweet | 1 lb. for 100 ft. | May and June | ½ inch | 8 to 12 ins. | 18 to 24 ins. | 90 to 180 days |
| CUCUMBER | 1 oz. for 60 hills | April to August | ½ inch | 4 to 8 ins. | 18 to 24 ins. | 60 to 80 days |
| ENDIVE | 1 oz. for 200 ft. | April to July | ½ inch | 6 to 12 ins. | 18 to 24 ins. | 60 to 90 days |
| KOHL RABI | 1 oz. for 400 ft. | April to June | ½ inch | 4 to 6 ft. | 8 to 12 ft. | 90 to 120 days |
| LETTUCE | 1 oz. for 400 ft. | May and June | 1 inch | 18 ins. | 2 to 3 ft. | 80 to 120 days |
| MELON, Musk | 1 oz. for 75 hills | May and June | 1½ inches | 3 to 4 ins. | 16 to 24 ins. | 120 to 150 days |
| MELON, Water | 1 oz. for 30 hills | April and May | 1 inch | 2 to 3 ins. | 16 to 24 ins. | 30 to 60 days |
| OKRA | 1 oz. for 50 ft. | Feb. to May | ½ inch | 4 to 6 ins. | 12 to 18 ins. | 90 to 120 days |
| ONION. Seed | 1 oz. for 150 ft. | April and May | ½ inch | 3 to 6 ins. | 12 to 18 ins. | 100 to 150 days |
| ONION SETS | 1 lb. for 30 ft. | Feb. to May | ½ inch | 3 to 6 ins. | 12 to 18 ins. | 12 to 24 ins. |
| PARSLEY | 1 oz. for 200 ft. | April and May | ½ inch | 3 to 6 ins. | 12 to 18 ins. | 12 to 24 ins. |
| PARSNIP | 1 oz. for 200 ft. | March to Sept. | ½ inch | 3 to 6 ins. | 12 to 18 ins. | 12 to 24 ins. |
| PEAS | 1 lb. for 100 ft. | In seed bed in spring | 4 inches | 6 to 8 ins. | 12 to 18 ins. | 25 to 50 days |
| POTATOES | 10 lbs. for 100 ft. | Spring or fall | 4 inches | 3 ft. | 3 to 5 ft. | 3 to 4 years |
| PUMPKIN | 1 oz. for 30 hills | May to August | ½ inch | 4 to 6 ins. | 18 to 24 ins. | 80 to 100 days |
| RADISH | 1 oz. for 100 ft. | April and May | ½ inch | 3 to 4 ins. | 12 to 18 ins. | 120 to 170 days |
| RHUBARB. Seed | 1 oz. for 200 ft. | April to Sept. | ½ inch | 4 ins. | 12 to 18 ins. | 60 to 90 days |
| RHUBARB. Plants | Transplant in garden | May | 1½ inches | 1½ to 2 ft. | 4 ft. | 60 to 75 days |
| RUTA BAGA | 1 oz. for 200 ft. | March to Sept. | ½ inch | 8 ft. | 8 ft. | 100 to 125 days |
| SALSIFY | 1 oz. for 60 ft. | April to July | 1 inch | 6 to 12 ins. | 12 to 18 ins. | 60 to 80 days |
| SPINACH | 1 oz. for 100 ft. | Hot-bed, Feb.-Mar. | ½ inch | 2 to 3 ins. | 2 to 3 ins. | 100 to 140 days |
| SQUASH, Bush | 1 oz. for 50 hills | April to July | 1 inch | 18 to 24 ins. | 3 to 4 ft. | 18 to 24 ins. |
| SQUASH, Vine | 1 oz. for 15 to 20 hills | May | ½ inch | 4 to 6 ins. | 15 to 18 ins. | 6 to 8 ft. |
| SWISS CHARD | 1 oz. for 50 ft. | April to July | 1 inch | 6 to 8 ft. | 6 to 8 ft. | 6 to 8 ft. |
| TOMATO. Seed | 1 oz. for 2,000 plants | Hot-bed, Feb.-Mar. | ½ inch | 2 to 3 ins. | 2 to 3 ins. | 100 to 140 days |
| TOMATO. Plants | Transplant in garden | May | ½ inch | 18 to 24 ins. | 3 to 4 ft. | 100 to 140 days |
| TURNIP | 1 oz. for 200 ft. | April to July | 1 inch | 4 to 6 ins. | 15 to 18 ins. | 6 to 8 ft. |
| VEGETABLE MARROW | 1 oz. for 40 hills | May | 1 inch | 6 to 8 ft. | 6 to 8 ft. | 100 to 140 days |

NUMBER OF PLANTS TO THE ACRE AT GIVEN DISTANCES

| Dis. apart | No. plants | Dis. apart | No. plants |
|------------|------------|-------------|------------|
| 12 x 1 in. | 522,720 | 48 x 48 in. | 2,723 |
| 12 x 3 " | 174,240 | 60 x 36 " | 2,901 |
| 12 x 12 " | 43,560 | 60 x 48 " | 2,178 |
| 16 x 1 " | 392,040 | 60 x 60 " | 1,743 |
| 18 x 1 " | 348,480 | 8 x 1 ft. | 5,445 |
| 18 x 3 " | 116,160 | 8 x 3 " | 1,815 |
| 18 x 12 " | 29,040 | 8 x 8 " | 680 |
| 18 x 18 " | 19,360 | 10 x 1 " | 4,356 |
| 20 x 1 " | 313,635 | 10 x 6 " | 726 |
| 20 x 20 " | 15,681 | 10 x 10 " | 435 |
| 24 x 1 " | 261,360 | 12 x 1 " | 3,630 |
| 24 x 18 " | 15,520 | 12 x 5 " | 736 |
| 24 x 24 " | 10,890 | 12 x 12 " | 302 |
| 30 x 1 " | 209,088 | 16 x 1 " | 2,722 |
| 30 x 6 " | 34,848 | 16 x 16 " | 170 |
| 30 x 12 " | 17,424 | 6 x 6 " | 1,210 |
| 30 x 16 " | 13,068 | 7 x 7 " | 881 |
| 30 x 20 " | 10,454 | 9 x 9 " | 537 |
| 30 x 24 " | 8,712 | 11 x 11 " | 360 |
| 30 x 30 " | 6,970 | 13 x 13 " | 257 |
| 36 x 3 " | 58,080 | 14 x 14 " | 222 |
| 36 x 12 " | 14,520 | 15 x 15 " | 193 |
| 36 x 18 " | 9,680 | 17 x 17 " | 150 |
| 36 x 24 " | 7,260 | 18 x 18 " | 134 |
| 36 x 36 " | 4,840 | 19 x 19 " | 120 |
| 42 x 12 " | 12,446 | 20 x 20 " | 108 |
| 42 x 24 " | 6,223 | 25 x 25 " | 69 |
| 42 x 36 " | 4,148 | 30 x 30 " | 48 |
| 48 x 12 " | 10,890 | 33 x 33 " | 40 |
| 48 x 18 " | 7,790 | 40 x 40 " | 27 |
| 48 x 24 " | 5,445 | 50 x 50 " | 17 |
| 48 x 30 " | 4,356 | 60 x 60 " | 12 |
| 48 x 36 " | 3,630 | 66 x 66 " | 10 |

Average Period of Incubation

| | |
|--------------|---------------|
| Chickens | 20 to 22 days |
| Geese | 28 to 34 days |
| Ducks | 28 days |
| Turkeys | 27 to 29 days |
| Guinea Fowls | 28 days |
| Pheasants | 25 days |
| Ostriches | 40 to 42 days |

Average Period of Gestation

| | |
|------------|-----------|
| Mare | 11 months |
| Cow | 9 months |
| Sheep | 5 months |
| Goat | 5 months |
| Pig | 3½ months |
| Bitch | 9 weeks |
| Cat | 8 weeks |
| Guinea Pig | 65 days |
| Rabbit | 30 days |

FARM SEEDS

Quantity Required Per Acre Weight Per Bushel

| | Lbs. per Acre | Wt. Bu. |
|------------------------|---------------|---------|
| ALFALFA | 15 to 20 | 60 |
| ALSIKE CLOVER | 8 to 10 | 60 |
| ARTICHOKES | 400 to 800 | |
| BARLEY | 100 to 120 | 48 |
| BEET, Stock or Sugar | 5 to 6 | |
| BLUE GRASS, Kentucky | 40 to 50 | |
| BROME GRASS | 30 to 40 | |
| BUCKWHEAT | 40 to 60 | 48 |
| CARROT, Stock | 3 to 4 | |
| CLOVER, Bokhara. Sweet | 15 to 25 | 60 |
| CLOVER, Red | 12 to 15 | 60 |
| CLOVER, White, Pasture | 8 to 10 | 60 |
| CORN, Field | 12 to 20 | 56 |
| CORN, Fodder | 50 to 75 | |
| CORN, Sweet | 12 to 15 | 45 |
| CRESTED DOG'S TAIL | 20 to 30 | |
| FINE LEAVED FESCUE | 25 to 30 | |
| HARD FESCUE | 25 to 30 | |
| HEMP | 25 to 40 | 44 |
| KALE, Thousand Headed | 1 to 2 | |
| MANGEL WURZEL | 5 to 6 | |
| MEADOW FESCUE | 25 to 30 | |
| MILLET | 25 to 35 | 50 |
| OATS | 75 to 100 | 32 |
| ORCHARD GRASS | 25 to 40 | |
| PEAS, Field | 90 to 120 | 60 |
| POTATOES | 400 to 800 | |
| RAPE, Dwarf Essex | 3 to 5 | 50 |
| RED FESCUE | 25 to 30 | |
| RED TOP | 10 to 15 | |
| RUTA BAGA | 2 to 4 | |
| RYE | 90 to 120 | 56 |
| RYE GRASS | 40 to 50 | 20 |
| SHEEP FESCUE | 25 to 30 | |
| SORGHUM | 10 to 15 | 50 |
| SUDAN GRASS | 15 to 25 | |
| TALL MEADOW OAT GRASS | 20 to 25 | |
| TIMOTHY | 15 to 20 | 45 |
| TURNIPS | 2 to 4 | |
| VETCH, Common | 90 to 120 | 60 |
| VETCH, Hairy | 30 to 60 | 60 |
| WHEAT | 90 to 120 | 60 |

PARCEL POST RATES

If goods are to be shipped by Parcel Post, except such as are listed in our catalog "Postpald," an amount sufficient to pay postage at the following rates must be remitted with orders in addition to purchase price.

| Weight | Local Handled through one P. O. or R.F.D. only | Zones | | | | | | |
|---------|---|------------------------------------|----------------------------------|----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------|
| | | 1st & 2nd Under 150 miles | 3rd 150 to 300 miles | 4th 300 to 600 miles | 5th 600 to 1000 miles | 6th 1000 to 1400 miles | 7th 1400 to 1800 miles | 8th Over 1800 miles |
| 1 lb. | \$0.05 | \$0.05 | \$0.06 | \$0.07 | \$0.08 | \$0.09 | \$0.11 | \$0.12 |
| 2 lbs. | .06 | .06 | .08 | .11 | .14 | .17 | .21 | .24 |
| 3 lbs. | .06 | .07 | .10 | .15 | .20 | .25 | .31 | .36 |
| 4 lbs. | .07 | .08 | .12 | .19 | .26 | .33 | .41 | .48 |
| 5 lbs. | .07 | .09 | .14 | .23 | .32 | .41 | .51 | .60 |
| 6 lbs. | .08 | .10 | .16 | .27 | .38 | .49 | .61 | .72 |
| 7 lbs. | .08 | .11 | .18 | .31 | .44 | .57 | .71 | .84 |
| 8 lbs. | .09 | .12 | .20 | .35 | .50 | .65 | .81 | .96 |
| 9 lbs. | .09 | .13 | .22 | .39 | .56 | .73 | .91 | 1.08 |
| 10 lbs. | .10 | .14 | .24 | .43 | .62 | .81 | 1.01 | 1.20 |
| 11 lbs. | .10 | .15 | .26 | .47 | .68 | .89 | 1.11 | 1.32 |
| 12 lbs. | .11 | .16 | .28 | .51 | .74 | .97 | 1.21 | 1.44 |
| 13 lbs. | .11 | .17 | .30 | .55 | .80 | 1.05 | 1.31 | 1.56 |
| 14 lbs. | .12 | .18 | .32 | .59 | .86 | 1.13 | 1.41 | 1.68 |
| 15 lbs. | .12 | .19 | .34 | .63 | .92 | 1.21 | 1.51 | 1.80 |
| 16 lbs. | .13 | .20 | .36 | .67 | .98 | 1.29 | 1.61 | 1.92 |
| 17 lbs. | .13 | .21 | .38 | .71 | 1.04 | 1.37 | 1.71 | 2.04 |
| 18 lbs. | .14 | .22 | .40 | .75 | 1.10 | 1.45 | 1.81 | 2.16 |
| 19 lbs. | .14 | .23 | .42 | .79 | 1.16 | 1.53 | 1.91 | 2.28 |
| 20 lbs. | .15 | .24 | .44 | .83 | 1.22 | 1.61 | 2.61 | 2.40 |
| 21 lbs. | .15 | .25 | .46 | .87 | 1.28 | 1.69 | 2.01 | 2.52 |
| 22 lbs. | .16 | .26 | .48 | .91 | 1.34 | 1.77 | 2.21 | 2.64 |
| 23 lbs. | .16 | .27 | .50 | .95 | 1.40 | 1.85 | 2.31 | 2.76 |
| 24 lbs. | .17 | .28 | .52 | .99 | 1.46 | 1.93 | 2.41 | 2.88 |
| 25 lbs. | .17 | .29 | .54 | 1.03 | 1.52 | 2.01 | 2.51 | 3.00 |
| 26 lbs. | .18 | .30 | .56 | 1.07 | 1.58 | 2.09 | 2.61 | 3.12 |
| 27 lbs. | .18 | .31 | .58 | 1.11 | 1.64 | 2.17 | 2.71 | 3.24 |
| 28 lbs. | .19 | .32 | .60 | 1.15 | 1.70 | 2.25 | 2.81 | 3.36 |
| 29 lbs. | .19 | .33 | .62 | 1.19 | 1.76 | 2.33 | 2.91 | 3.48 |
| 30 lbs. | .20 | .34 | .64 | 1.23 | 1.82 | 2.41 | 3.01 | 3.60 |
| 31 lbs. | .20 | .35 | .66 | 1.27 | 1.88 | 2.49 | 3.11 | 3.72 |
| 32 lbs. | .21 | .36 | .68 | 1.31 | 1.94 | 2.57 | 3.21 | 3.84 |
| 33 lbs. | .21 | .37 | .70 | 1.35 | 2.00 | 2.65 | 3.31 | 3.96 |
| 34 lbs. | .22 | .38 | .72 | 1.39 | 2.06 | 3.73 | 3.41 | 4.08 |
| 35 lbs. | .22 | .39 | .74 | 1.43 | 2.12 | 2.81 | 3.51 | 4.20 |
| 36 lbs. | .23 | .40 | .76 | 1.47 | 2.18 | 2.89 | 3.61 | 4.32 |
| 37 lbs. | .23 | .41 | .78 | 1.51 | 2.24 | 2.97 | 3.71 | 4.44 |
| 38 lbs. | .24 | .42 | .80 | 1.55 | 2.30 | 3.05 | 3.81 | 4.56 |
| 39 lbs. | .24 | .43 | .82 | 1.59 | 2.36 | 3.13 | 3.91 | 4.68 |
| 40 lbs. | .25 | .44 | .84 | 1.63 | 2.40 | 3.21 | 4.01 | 4.80 |
| 41 lbs. | .25 | .45 | .86 | 1.67 | 2.46 | 3.29 | 4.11 | 4.92 |
| 42 lbs. | .26 | .46 | .88 | 1.71 | 2.52 | 3.37 | 4.21 | 5.04 |
| 43 lbs. | .26 | .47 | .90 | 1.75 | 2.58 | 3.45 | 4.31 | 5.16 |
| 44 lbs. | .27 | .48 | .92 | 1.79 | 2.64 | 3.53 | 4.41 | 5.28 |
| 45 lbs. | .27 | .49 | .94 | 1.83 | 2.70 | 3.61 | 4.51 | 5.40 |
| 46 lbs. | .28 | .50 | .96 | 1.87 | 2.76 | 3.69 | 4.61 | 5.52 |
| 47 lbs. | .28 | .51 | .98 | 1.91 | 2.82 | 3.77 | 4.71 | 5.64 |
| 48 lbs. | .29 | .52 | 1.00 | 1.95 | 2.88 | 3.85 | 4.81 | 5.76 |
| 49 lbs. | .29 | .53 | 1.02 | 1.99 | 2.94 | 3.93 | 4.91 | 5.88 |
| 50 lbs. | .30 | .54 | 1.04 | 2.03 | 3.00 | 4.01 | 5.01 | 6.00 |
| 51 lbs. | .30 | .55 | 1.06 | | | | | |
| 52 lbs. | .31 | .56 | 1.08 | | | | | |
| 53 lbs. | .31 | .57 | 1.10 | | | | | |
| 54 lbs. | .32 | .58 | 1.12 | | | | | |
| 55 lbs. | .32 | .59 | 1.14 | | | | | |
| 56 lbs. | .33 | .60 | 1.16 | | | | | |
| 57 lbs. | .33 | .61 | 1.18 | | | | | |
| 58 lbs. | .34 | .62 | 1.20 | | | | | |
| 59 lbs. | .34 | .63 | 1.22 | | | | | |
| 60 lbs. | .35 | .64 | 1.24 | | | | | |
| 61 lbs. | .35 | .65 | 1.26 | | | | | |
| 62 lbs. | .36 | .66 | 1.28 | | | | | |
| 63 lbs. | .36 | .67 | 1.30 | | | | | |
| 64 lbs. | .37 | .68 | 1.32 | | | | | |
| 65 lbs. | .37 | .69 | 1.34 | | | | | |
| 66 lbs. | .38 | .70 | 1.36 | | | | | |
| 67 lbs. | .38 | .71 | 1.38 | | | | | |
| 68 lbs. | .39 | .72 | 1.40 | | | | | |
| 69 lbs. | .39 | .73 | 1.42 | | | | | |
| 70 lbs. | .40 | .74 | 1.44 | | | | | |

Local Rate applies on parcels to be delivered from the office at which mailed or by Carrier or Rural Delivery from that office.

On parcels weighing eight ounces or less, containing Books, Seeds, Cuttings, Bulbs, Roots, Scions and Plants, the rate is one cent for each two ounces or fraction thereof, regardless of distance.

On parcels weighing four ounces or less, containing goods other than Books, Seeds, Cuttings, Bulbs, Roots, Scions and Plants, the rate is one cent for each ounce or fraction thereof, any distance.

Weight limit to offices within the first, second and third zones is seventy pounds for each package.

Weight limit to offices in other zones is fifty pounds for each package.

Limit of size of any package that will be accepted by parcel post is eighty-four inches in length and girth combined.

Eighth Zone rates apply to all offices in Alaska, Hawaii, Philippine Islands and Shanghai, China, with weight limit twenty pounds.

Eighth Zone rates apply to Canada, Mexico, Cuba and Panama, with weight limit four pounds six ounces. Twenty pounds can be sent to Mexico and Panama as Foreign Parcel Post.

Poisons and explosives cannot be shipped by parcel post. Liquids may be shipped by parcel post when specially packed to comply with requirements.

MAIL ORDERS

Observance of the following suggestions will assist us greatly in filling orders promptly and satisfactorily.

Order early. During the spring planting time we are crowded to full capacity, and occasional delays and errors are bound to occur; also, late in the season, we are liable to be sold out of some stocks. It is to your advantage, as well as ours, to order before the spring rush.

Use this order sheet. By using this regular form for orders, delay and chance for errors will be avoided. Additional order blanks will be mailed on request.

Write name, address and shipping instruction in proper spaces very distinctly. We receive many orders with name or address omitted or illegible, and are unable to fill such orders until the purchasers inquire about them.

Please do not write anything on the order sheet except the order and shipping instructions. If it is necessary to write a letter it should be written on another sheet of paper. Correspondence is handled through another source, and letters written on the order sheet are liable to be overlooked.

Remittance in full is required with all orders, thus avoiding unnecessary expense, labor and confusion. Please do not ask us to ship goods C. O. D. If you expect to do a regular and extensive business with us, and wish to open an account with us, please make application to our treasurer, giving references and other information required by all business houses. Remittances should be made by Post Office Money Order, Bank Draft or Registered Letter. We will accept stamps in small amounts, but cannot be responsible for stamps, currency or coin lost in the mail.

DO NOT FORGET TO ORDER MAG-O-TITE

It is almost impossible to grow Radishes, Cabbages, Onions, Turnips and Kale without it.

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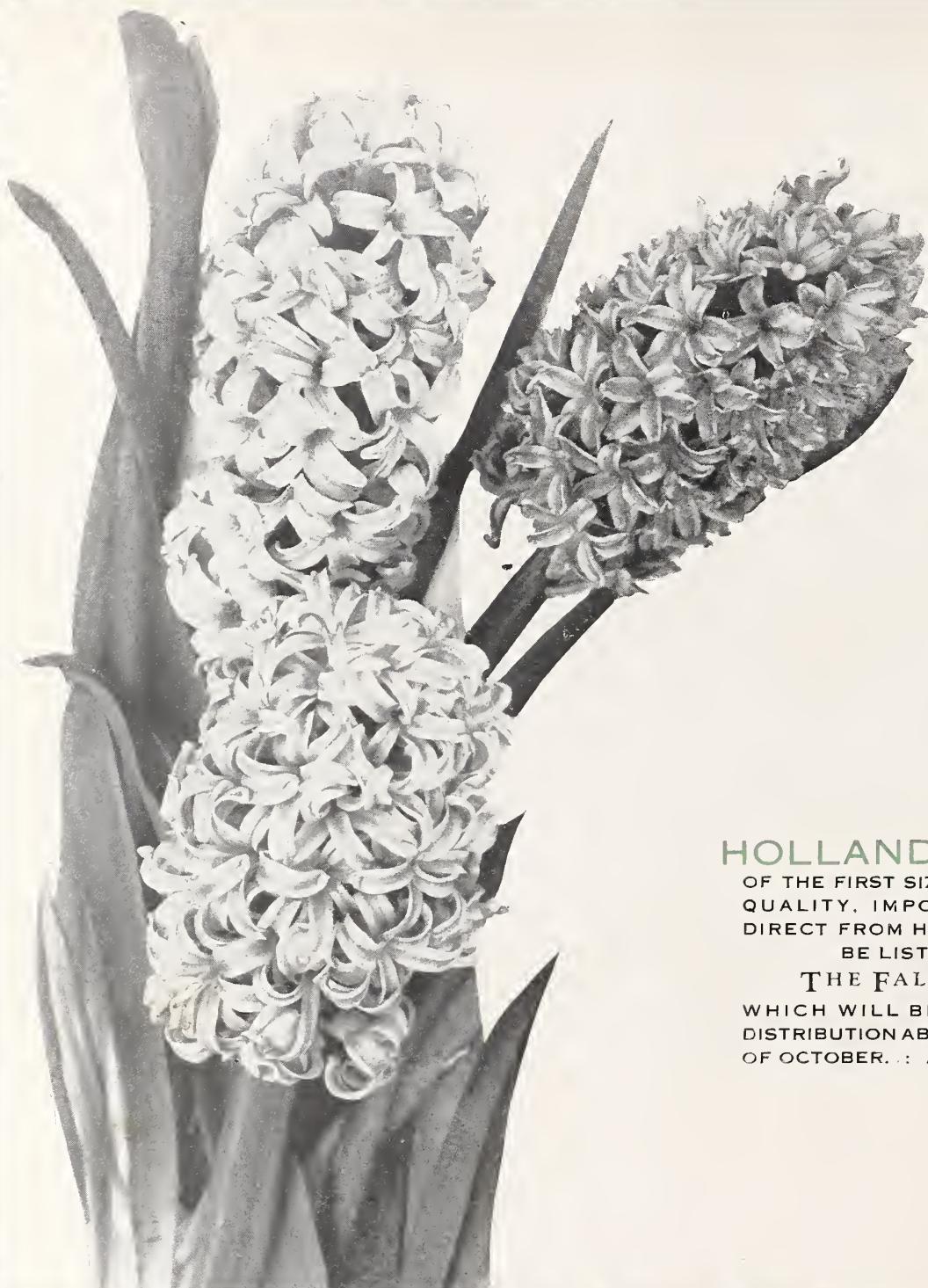
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